麻酔科医ナナ

③

なかお白亜
監修 松本克平

ACTION COMICS
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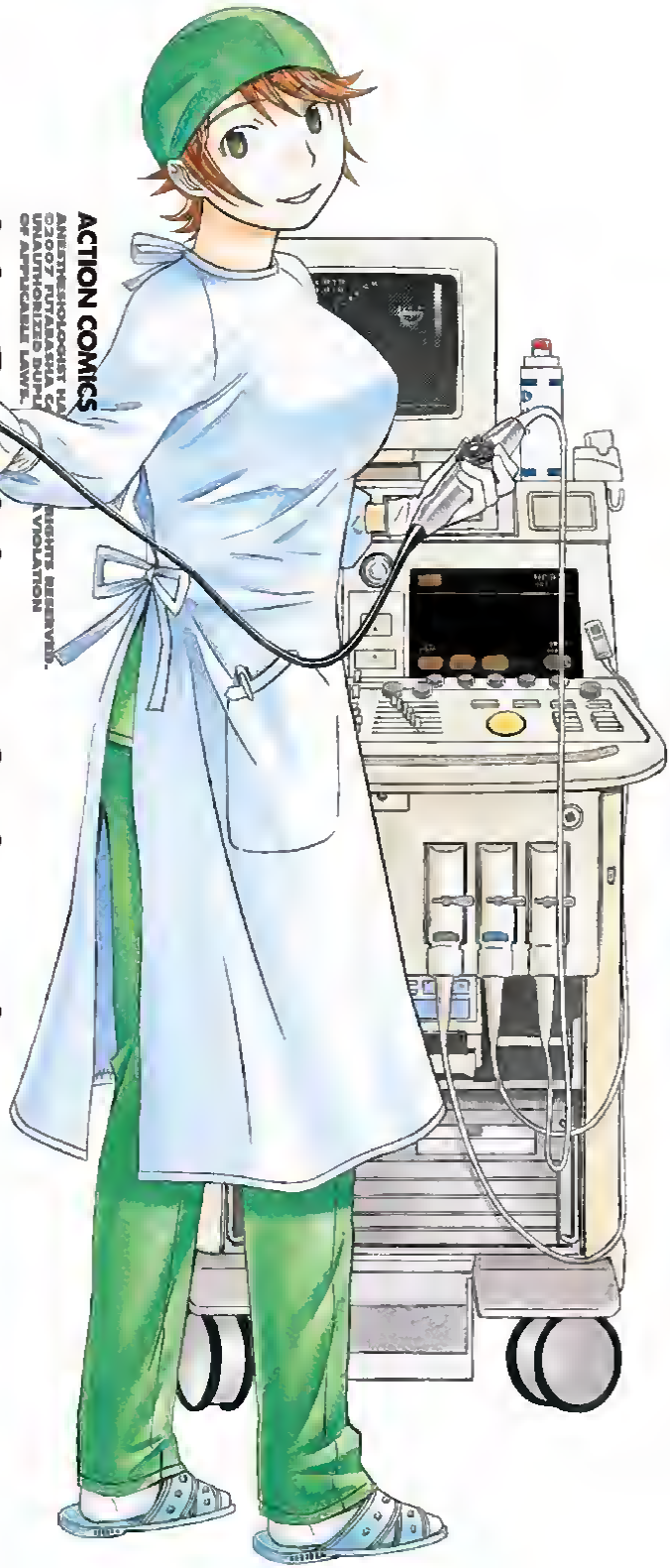

ANESTHESIOLOGIST HANA

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なかお白亜
監修 松本克平
BY HAKUA NAKAO
SUPERVISED BY
DR. KAPPEI MATSUMOTO

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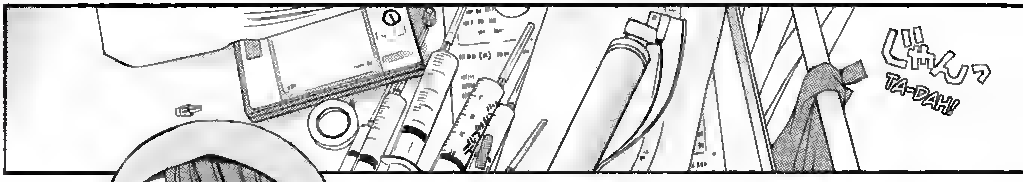
CHAPTER 18
MY ANESTHESIA
CHING
EVEN I HAVE DAYS WHEN I GET UP EARLY...
CLACK

ON THOSE DAYS, I BUY SOME DECENT BREAD AND COFFEE AT THE SHOP OUTSIDE THE HOSPITAL...
THANKS, MISS! THAT'LL BE 3.5 MILLION YEN~!!
SWING ON INTO THE OPERATING ROOM WITH A SIDELONG GLANCE AT THE INTERN,
WHO'S ALREADY SWAMPED WITH WORK...
GLANCE
OH!
GOOD MORNING!
GOOD MORNING, TERACCHI!


TA-DAH!

DO MY ANESTHESIA PREP FIRST THING IN THE MORNING, BEFORE ANYBODY ELSE...
AND SPOIL MYSELF A LITTLE BY USING THE TIME BEFORE PATIENTS START ENTERING THE OPERATING ROOM TO SLOWLY SAVOR MY BREAKFAST IN THE DESERTED PHYSICIANS' BREAK ROOM...
HEE HEE HEE

HM?

THE
...
ZZZ

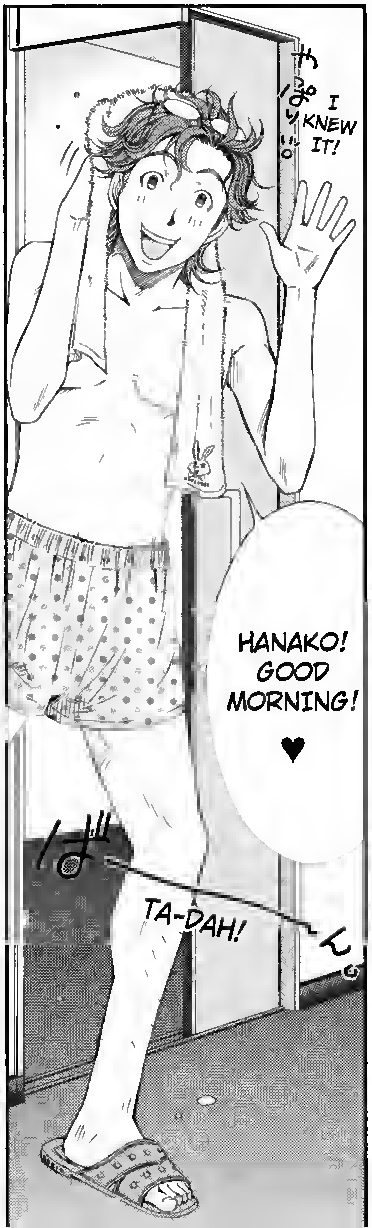
IT'S
MESSY

HAPPIEST MOMENT OF MY DAY.
WHAA AAAA AAAA AAAA AAAA AAAA AAT?!
FOUL...
禁煙
NO SMOKING

NDDW 200X
SAY WHAT!!
I KNOW THAT VOICE ...
GLITTER
キラ。。。
W-WH ...
WH...

D...DR. MINAMI ?
WH... WHY AREN'T YOU ...!?
かあっ
BLUSH!

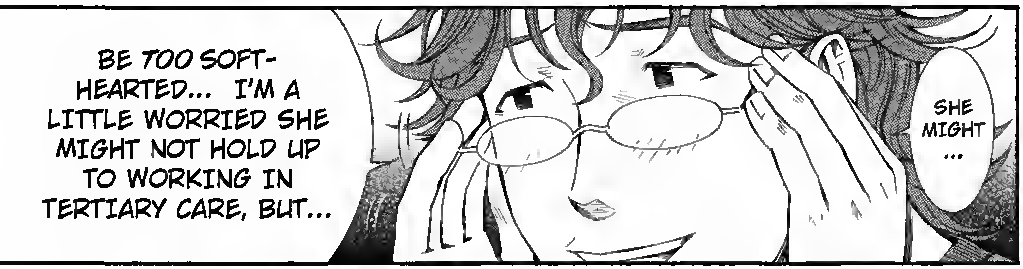
I WAS TAKING A SHOWER! ♥
えへへ
EHEHEH
WHOA !
SQUEEZE むにっ

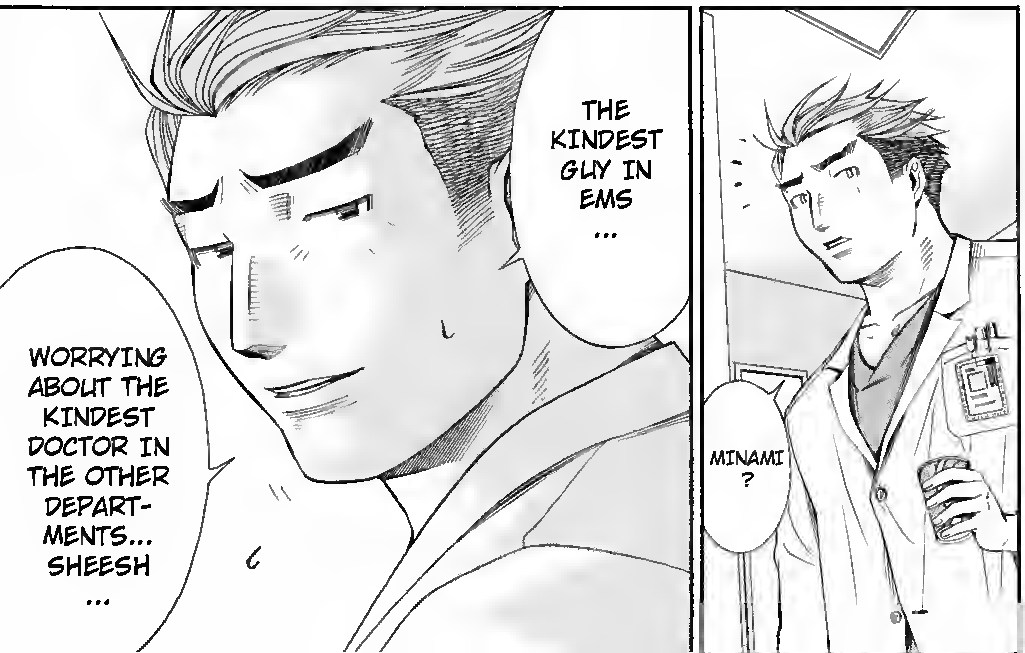

かあっ
I KNEW IT!
HANAKO! GOOD MORNING! ♥
TA-DAH!

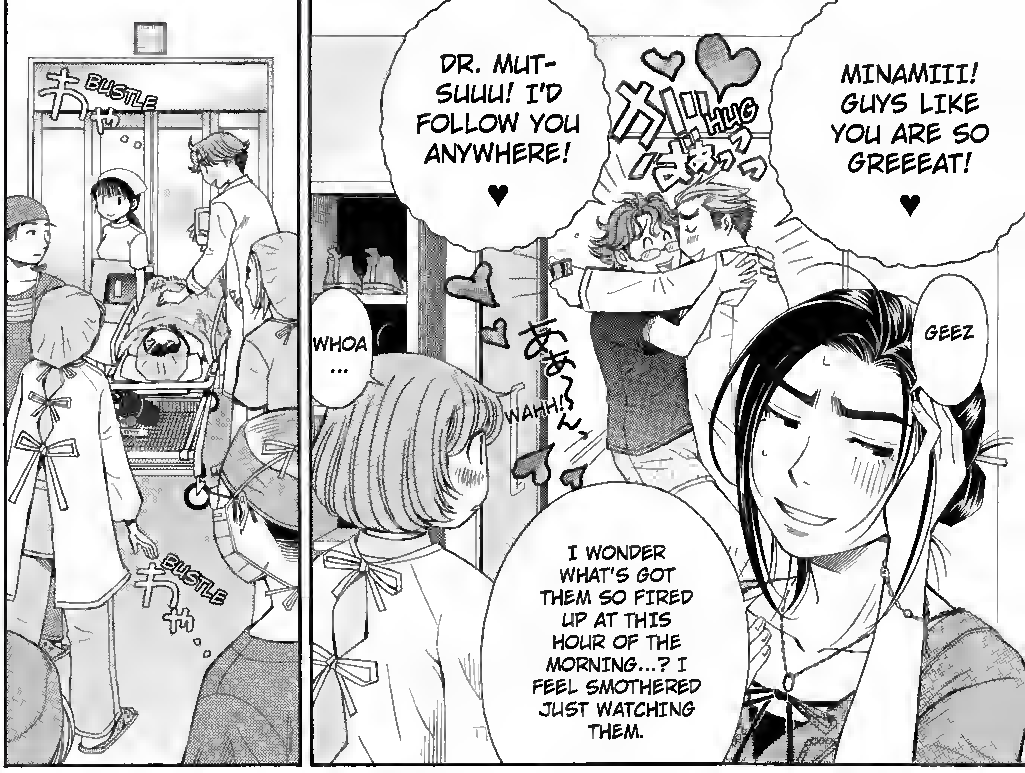
J-JUST LOOK AT THIS MESS! WHAT GIVES?!
HEY!
SQUISH
OH, WELL, YOU KNOW! THE OFFICES HERE ARE BUILT SO CRAMPED, THERE'S HARDLY ANY SPACE...
AND IT LOOKS LIKE OUR OFFICES ARE STILL UNDER CONSTRUCTION! SO WE FIGURED...
HEHE
GROPE GROPE
WE'RE ALLOWING THE EMTS TO USE THIS ROOM FOR NOW...
THE OTHER DEPARTMENTS HAVE ALREADY APPROVED IT.
DR. MUTSU!!
FWIP

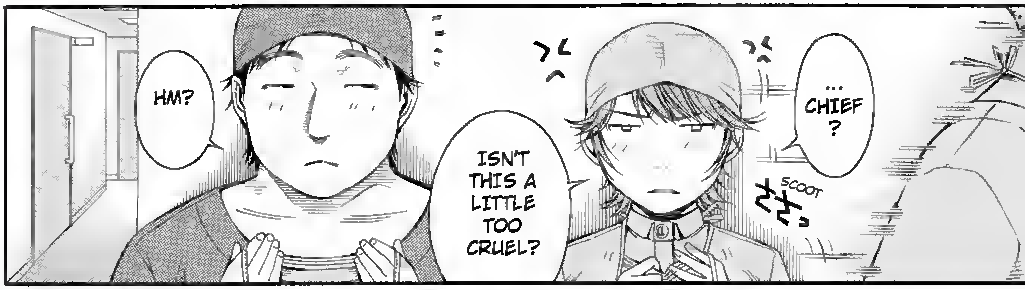
RUNNING LIKE A RABBIT!
AW, MAN...
SHE GOT AWAY...
...MINAMI...
I HATE TO HAVE TO SAY THIS SO EARLY IN THE MORNING, BUT...

BUT I TOTALLY LOVE THAT ANESTHESI-OLOGIST, HANAKO!
I KNOW ... ♥
SHE'S GOT THE BIG-GEST TITS I'VE EVER SEEN...
PEOPLE ARE GOSSIPING ABOUT YOU IN THE OPERATING ROOM...
WE JUST GOT HERE, SO COULD YOU TRY NOT TO CAUSE TROUBLE ...?
YOU'VE GOTTEN AWAY WITH MAKING THAT KIND OF BLATANT PASS AT THE YOUNG FEMALE DOCTORS AND NURSES IN THE PAST, BUT WON'T IT CAUSE TROUBLE SOMEDAY?
¥20
BEEP!


BE TOO SOFT-HEARTED... I'M A LITTLE WORRIED SHE MIGHT NOT HOLD UP TO WORKING IN TERTIARY CARE, BUT...
SHE MIGHT ...

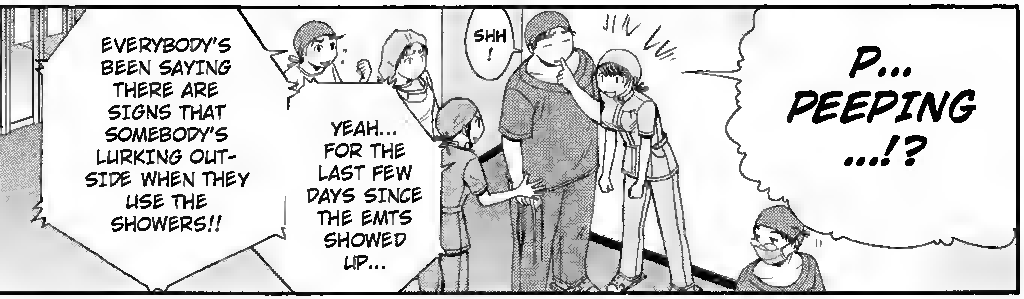

THE KINDEST GUY IN EMS ...
WORRYING ABOUT THE KINDEST DOCTOR IN THE OTHER DEPART-MENTS... SHEESH ...
MINAMI ?


BUSTLE
BUSTLE
DR. MUT-SUUU! I'D FOLLOW YOU ANYWHERE! ♥
HUG
MINAMIII! GUYS LIKE YOU ARE SO GREEEAT! ♥
WHOA ...
WAHH!
GEEZ
I WONDER WHAT'S GOT THEM SO FIRED UP AT THIS HOUR OF THE MORNING...? I FEEL SMOTHERED JUST WATCHING THEM.


HM?
ISN'T THIS A LITTLE TOO CRUEL?
... CHIEF ?
SCOOT

... OH ...
YES ... WELL ...
TWIST
NUMBER FOUR, COMING IN!
I NEVER AGREED TO THIS!!
WHISPER
HOW COME OUR BREAK ROOM IS SUDDENLY BEING OCCUPIED BY THE EMTS?!

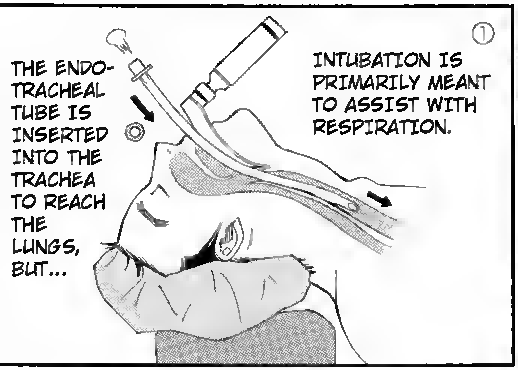
IT IS A LITTLE INCONVENIENT FOR US, BUT... ALL THESE CHANGES WERE VERY SUDDEN FOR EMERGENCY MEDICAL SERVICES, AND THEY'RE STRUGGLING TO KEEP UP...
THEY'RE THE VICTIMS HERE, TOO, IN A SENSE, SO CAN'T WE ALL TRY TO COMPROMISE AND GET ALONG?
THERE'S NO WAY I COULD GET ALONG WITH THEM!!
YES, WELL ...
PLEASE, SAY SOMETHING TO THE BRASS!!
THEY'RE SEXUALLY HARASSING US, TOO!!
SHE'S RIGHT, DR. UZUKI!!
PLEASE, YOU'VE GOTTA SAY SOMETHING TO THE BRASS!
HUH?

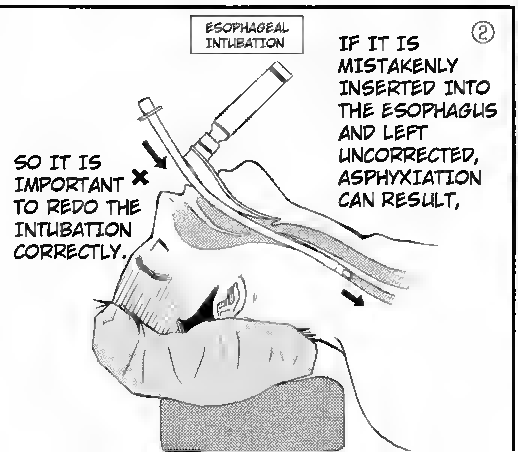

P... PEEPING ...!?
SHH !
EVERYBODY'S BEEN SAYING THERE ARE SIGNS THAT SOMEBODY'S LURKING OUTSIDE WHEN THEY USE THE SHOWERS!!
YEAH... FOR THE LAST FEW DAYS SINCE THE EMTS SHOWED UP...

OH, DEAR ... BUT ...
NO WAY !!
IT'S GOTTA BE THOSE RATS!!
IF IT ISN'T THEM, I DON'T KNOW WHO ELSE IT COULD BE!!
EVEN SO, YOU DON'T KNOW FOR SURE IF IT'S THE EMTS OR NOT...
THEY'VE BEEN TOUCHING MY BUTT, TOO!!

HANAOKA ... CONCEN-TRATE!!
YES, SIR ...
LET'S INTUBATE HIM ...
BEEP!
BEEP!
GRUMBLE
I... DEFINITELY THINK IT'S THE EMTS, TOO...
CAN YOU SEE THE GLOTTIS?
BARELY ... SOME-HOW ...
... IT'S IN ...
GRIP.
AUSCUL-TATE FOR BILATERAL BREATH SOUNDS...
YES, SIR ...
...IT'S ALL RIGHT! I'VE GOT THIS!!
TUBE, PLEASE !!
...DON'T OVERDO IT...

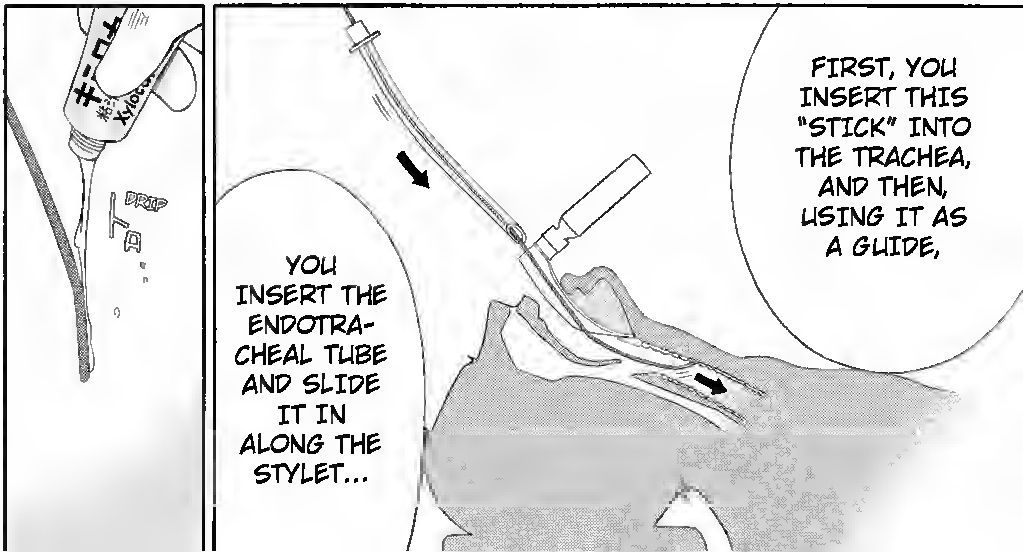
AN ESOPHAGEAL INTUBATION, HUH...? LOOKS LIKE YOU'LL HAVE TO DO IT OVER...
...
YES, SIR!!
SLIDE
すいっ
UH-OH ...
IT'S NOT IN THE TRACHEA !?
SQUEEZE
ぎゅっ
GURK!
AN ESOPHAGEAL INTUBATION... THIS LOOKS SO LAME...
...WHAT AM I, AN INTERN...?


① INTUBATION IS PRIMARILY MEANT TO ASSIST WITH RESPIRATION.
THE ENDO-TRACHEAL TUBE IS INSERTED INTO THE TRACHEA TO REACH THE LUNGS, BUT...


ESOPHAGEAL INTUBATION
② IF IT IS MISTAKENLY INSERTED INTO THE ESOPHAGUS AND LEFT UNCORRECTED, ASPHYXIATION CAN RESULT,
SO IT IS IMPORTANT TO REDO THE INTUBATION CORRECTLY.

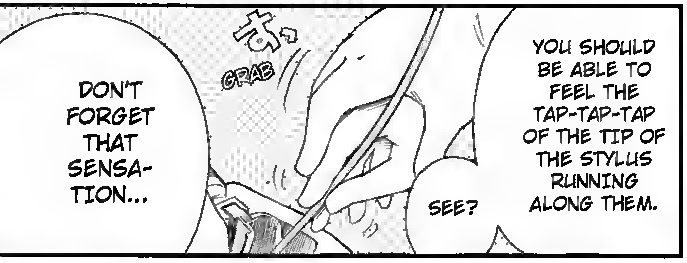
HANA OKA ...
ANESTHESIA HAS NOTHING TO DO WITH LOOKING "LAME" OR LOOKING "COOL"...
IF YOU'VE PUT IT IN THE ESOPH-AGUS... YOU NEED TO DO THE INTUBATION OVER...
BEING ABLE TO IDENTIFY THESE MISTAKES IS VERY IMPORTANT ...

*G.E.B.: GUM ELASTIC BOUGIE


DRIP
FIRST, YOU INSERT THIS "STICK" INTO THE TRACHEA, AND THEN, USING IT AS A GUIDE,
YOU INSERT THE ENDOTRA-CHEAL TUBE AND SLIDE IT IN ALONG THE STYLET...

IT'S THIN, SO IT'S EASIER TO PUT IN THAN THE TUBE, SEE?
...I SEE...
すこっ
PLUNK

OHO!!
VERY SHARP, HANAOKA! ♥
UNUSUALLY SO—
IF YOU PUT IT INTO THE ESOPHAGUS ANYWAY, IT'S POINTLESS, RIGHT?
BUT...IF YOU THINK ABOUT IT, WHERE'S THE GUARANTEE THAT THE STYLET IS IN THE TRACHEA?

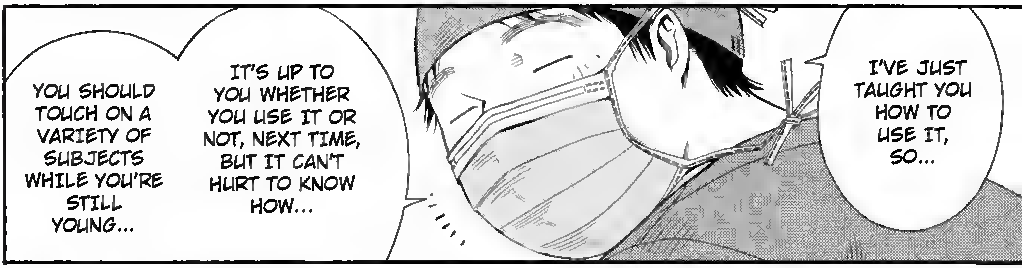

DON'T FORGET THAT SENSATION...
ぐっ
GRAB
SEE?
YOU SHOULD BE ABLE TO FEEL THE TAP-TAP-TAP OF THE TIP OF THE STYLUS RUNNING ALONG THEM.

click
click
WELL, YOU SEE...
UNLIKE THE ESOPHAGUS, THE TRACHEA HAS RAISED RINGS OF CARTILAGE ALONG ITS INNER SURFACE, SO...

OH!?
トトトト

IT'S THE FIRST CHOICE FOR DIFFICULT INTUBATIONS IN ENGLAND, THE ASA* RECOMMENDS IT AS A SUPPLEMENTARY TOOL, AND EVEN IN JAPAN, IT'S A COMMONLY-USED PIECE OF EQUIPMENT, BUT...
SQUEAK
ALTHOUGH THE PROFESSORS HERE SEEM TO HATE IT...
PEOPLE TEND TO LOVE OR HATE THIS TOOL... BUT I LOVE IT...

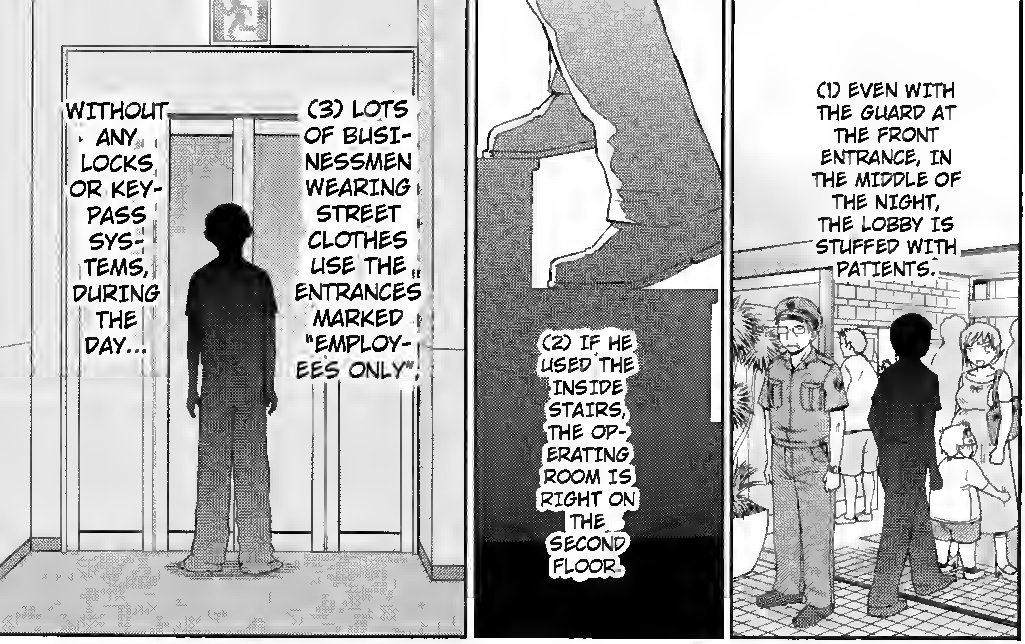
*ASA: AMERICAN SOCIETY OF ANESTHESIOLOGISTS

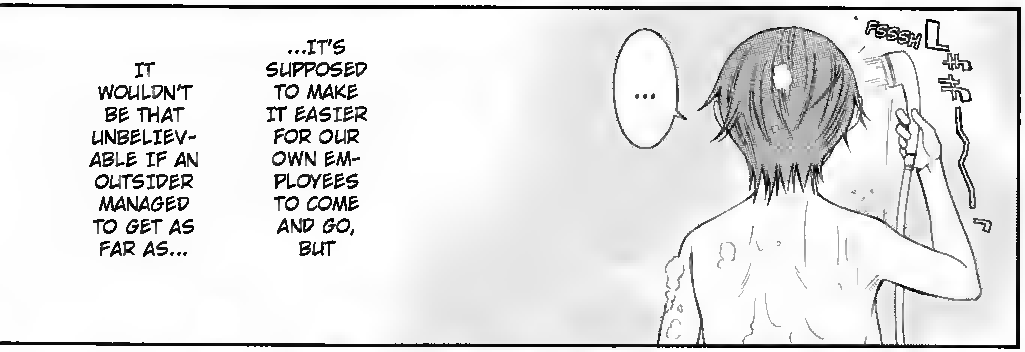

YOU SHOULD TOUCH ON A VARIETY OF SUBJECTS WHILE YOU'RE STILL YOUNG...
IT'S UP TO YOU WHETHER YOU USE IT OR NOT, NEXT TIME, BUT IT CAN'T HURT TO KNOW HOW...
I'VE JUST TAUGHT YOU HOW TO USE IT, SO...

...
"MY ANES-THE-SIA", HUH ...?
"YOUR OWN STYLE" ...?
THANK YOU, SIR...
OH...
AS YOU GO ON DOING THAT, SOMEDAY, YOU'LL BE ABLE TO FIND YOUR OWN STYLE OF ANESTHESIA ...
I'D BE PLEASED IF SOME OF MY STYLE WAS IN THERE, TOO!
OR SOMETHING LIKE THAT... HAHA

COME TO THINK OF IT,
MY LEGS FEEL AS WOBBLY AS THAT ROD...
ANOTHER LONG DAY OF HARD WORK... HOW TOUCH-ING...
PLOD
PLOD
EW!
SNIFF
MY HAIR STINKS, TOO...
...WELL, ANYWAY...
"ESCHMANN STYLET"IS AN AWFULLY IMPOSING NAME, ISN'T IT?
I'LL CALL IT A "TAPPITY-TAP THROAT ROD"! THAT'S MUCH EASIER! ♥
WOSH
PSSH
THE BREAK ROOM'S EMPTY !!
DESERTED!
WHOA !!
SCR TCH
I SHOULD HAVE PUT IT ALL UP UNDER MY SCRUB CAP, AFTER ALL....
NURSE? I'M GOING TO USE THE SHOWER, OKAY? ♥
IF I DO IT NOW... ♥
...DR. HANA? ...WAIT JUST A SECOND!!
THEY 'RE BUSIEST IN THE MIDDLE OF THE NIGHT...
OF COURSE, THERE WOULDN'T BE ANY EMTS AROUND BY THIS TIME...
...OH, HEY!!

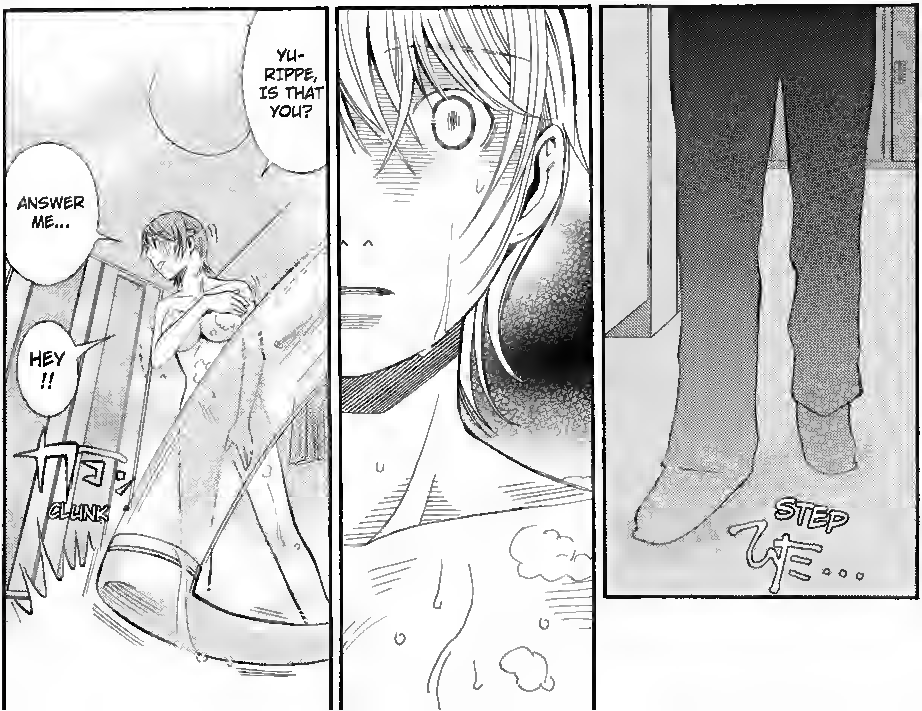
HERE YOU GO, DOCTOR!!
I'LL LEND YOU SOME SHAMPOO, TOO!
あんぱーも貸したる!!
BE CAREFUL IN THERE, OKAY? ♥
TA-DAH!
HUH?
YURIPPE...
WHAT'S WITH THE STICK...?
RUSTLE
...
"PRECAUTIONS", HUH...?
THERE'S NO LOCK ON THE WOMEN'S CHANGING ROOM, SO YOU CAN'T TAKE TOO MANY PRECAUTIONS!!
SHAKE
SHAKE
...OH, BUT... ISN'T THIS A LITTLE MUCH...?
...
GLANCE
...BUT...
IF YOU REALLY THINK ABOUT HOW POSSIBLE IT WOULD BE...
FOR SOMEBODY TO BE PEEPING IN THIS HOSPITAL...
IT'S SCARY...


(1) EVEN WITH THE GUARD AT THE FRONT ENTRANCE, IN THE MIDDLE OF THE NIGHT, THE LOBBY IS STUFFED WITH PATIENTS.
(2) IF HE USED THE INSIDE STAIRS, THE OPERATING ROOM IS RIGHT ON THE SECOND FLOOR.
(3) LOTS OF BUSINESSMEN WEARING STREET CLOTHES USE THE ENTRANCES MARKED "EMPLOYEES ONLY".
WITHOUT ANY LOCKS OR KEY-PASS SYSTEMS, DURING THE DAY...


...
FSSSH
...IT'S SUPPOSED TO MAKE IT EASIER FOR OUR OWN EMPLOYEES TO COME AND GO, BUT
IT WOULDN'T BE THAT UNBELIEVABLE IF AN OUTSIDER MANAGED TO GET AS FAR AS...

GASP!
CLANG!

WHO'S IN THE WOMEN'S CHANGING ROOM!?
WH...
WHO'S THERE !?
YURIPPE ...?
ARE YOU USING THE BATH-ROOM?
FWIP
FSSHH
...OH.


YU-RIPPE, IS THAT YOU?
ANSWER ME...
HEY !!
CLINK
STEP

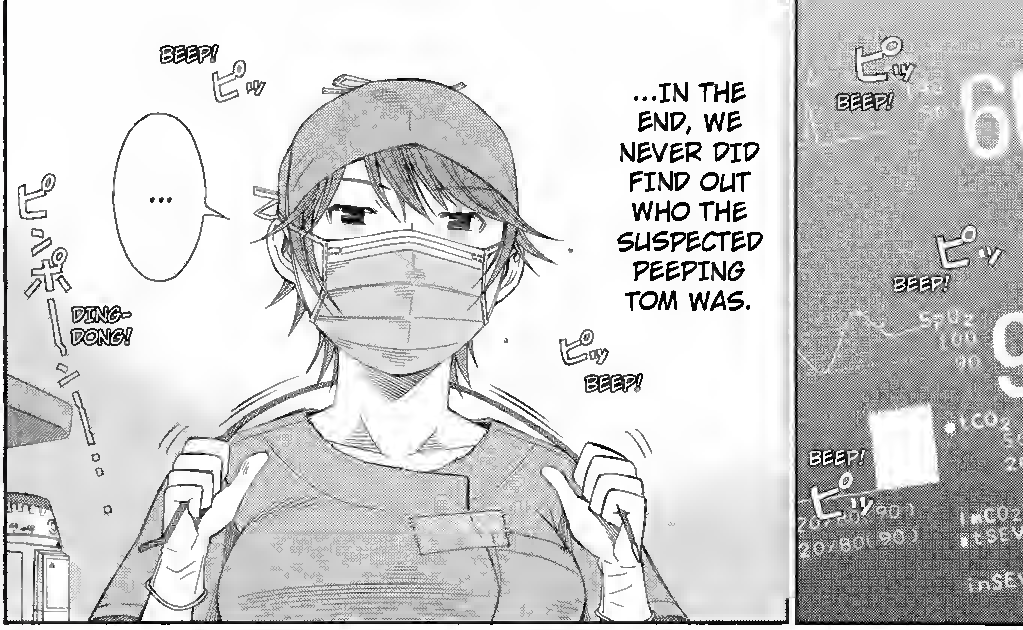
AH...
HEY!
QUIT JOKING AROUND... PLEASE!!
THIS CAN'T BE HAPPEN-ING!
BAM!
GRAB
NO WAY!!
...T-THAT PARAMEDICAL PERVERT!! WHERE DOES HE GET OFF...?! HE'S SHAMELESS...
GRIP
I ABSOLUTELY WON'T FORGET THIS...
IT'S TIME TO AVENGE THESE AGE-OLD WRONGS, ONCE AND FOR ALL...
—WELL, DAYS-OLD—
SAY, LIM...
HEY, HEY, THAT'S YOU, RIGHT, HANAKO?
I'LL GET HIM!!
SLAM!
RIGHT HERE, BEFORE HE CAN GET TO ME...
HUH!?
HAAA-NAAA-KOOO!
THAT VOICE!?

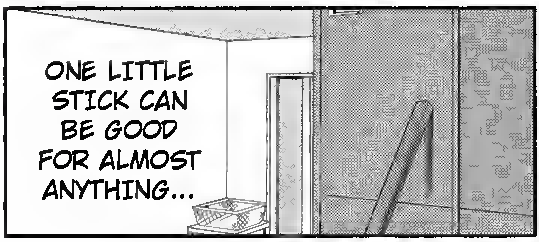
...
OH...
HUBBA-HUBBA! ♥
WHOA THERE, HANAKO!!
WH-HYUK! ♥
YOU KNOW, I HAVE TO HAND IT TO YOU ...
YOU'VE GOT SOME RARE NERVE TO SEXUALLY HARASS ME THIS BLATANTLY IN THIS DAY AND AGE...
TWITCH
... BUT ...

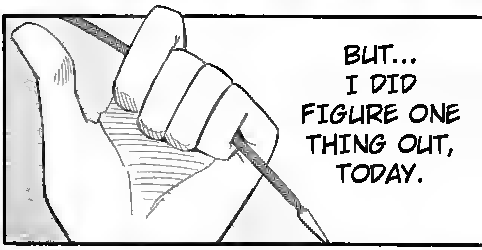
NO MATTER HOW BALLSY YOU ARE !!
HAVE AT YE~!
チェストォォ
HARASS-MENT IS STILL HARASS-MENT,
ばっ
LUNGE
ガシッ
WHAM!
BWAH !?

I'D HATE
SWING
HAVING TO SNEAK AROUND LIKE THAT!!
WHOOSH
YOU SHOULD KNOW THAT!!
DASH!!
WAI... HANAKO, TIME OUT!!
I WASN'T PEEPING OR ANYTHING !!
WHOA !!
YOU HABITUAL PEEPING TOM!!
... OOPS
SWING
WHACK!!
WHOA!
SKID!
THUD!
...DR. HANA,
LISTEN, THIS STICK ...
HE FELL DOWN ALL ON HIS OWN...
.....AND? DID YOU... HIT HIM WITH THAT STICK?
HMMM
NO ...
...
DAZED...
WAS JUST TO PROP THE DOOR SHUT!!

YOU MEAN... DR. MINAMI WAS JUST COMING TO DELIVER AN EMERGENCY SURGERY REQUEST...?
BUT THAT MEANS I...
W... WHAT AM I GONNA DO!?
OH, WHO CARES... THIS JERK'S A REPEAT OFFENDER ANYWAY...
YOU REAP WHAT YOU SOW.
...BUT... I SHOULD APOLOGIZE, AFTER ALL...
...OH, NO!! DR. HANA!
ISN'T THIS ANES-THESIA PAPER-WORK AND A SURGERY FORM!?
CLACK
YOU PUT IT IN THE SLIDING DOOR, LIKE THIS...
SEE ...?
HANAKO ... IT'S ALL RIGHT...
BUT ...
IF I CAN MAKE ONE RE-QUEST ...
GLEAM
DO YOU THINK WE COULD STAY LIKE THIS JUST A LITTLE BIT LONGER ...?
...LET'S JUST CALL IT A MIS-UNDER-STANDING AND MOVE ON...
I WAS IN A HURRY... AND THERE WAS NOBODY IN THE BREAK ROOM, BUT THAT'S NO EXCUSE FOR BARGING INTO THE LADIES' CHANGING ROOM...
...AH.
DAMN, WHAT A VIEW. ♥


BEEP!
ピッ
...
ピンポーン
DING-DONG!
...IN THE END, WE NEVER DID FIND OUT WHO THE SUSPECTED PEEPING TOM WAS.
ピッ
BEEP!
BEEP!
ピッ
BEEP!
BEEP!
ピッ


ONE LITTLE STICK CAN BE GOOD FOR ALMOST ANYTHING...


BUT... I DID FIGURE ONE THING OUT, TODAY.

MINAMI... WHAT'S WRONG? YOU SEEM... OFF, SOME-HOW... HM?
ぴんかん
SLAM
COO-PERS, PLEASE..
...BUT A GOOD-FOR-NOTHING MAN WILL STAY GOOD FOR NOTHING, NO MATTER WHAT HE DOES
END OF CHAPTER 18

ANESTHE-SIA DON'T WORK ON A HARD DRINKER!! DON'T YA KNOW THAT!? HEY!!
IT AIN'T NEVER WORKED ON ME AT THE DENTIST'S, NEITHER!!
BEEP
BEEP
I'M TELLIN' YA, LADY!! ANESTHESIA AIN'T GONNA WORK ON ME!!
BEEP
MR. YONO... THIS HAS NOTHING TO DO WITH DENTAL ANESTHESIA, SO PLEASE, TRY TO RELAX LIKE WE DISCUSSED YESTERDAY...
...

CHAPTER 19

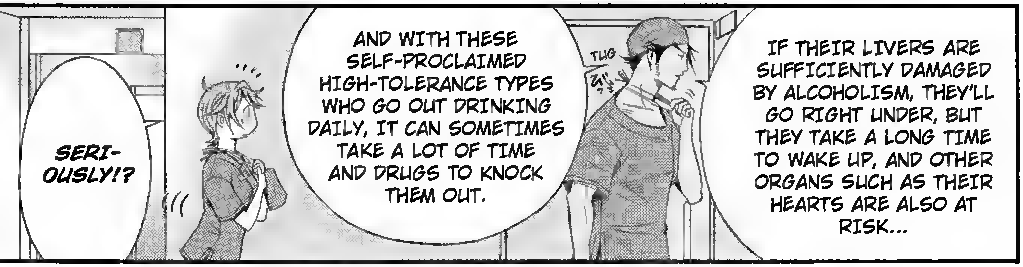
MUSICAL BEDS

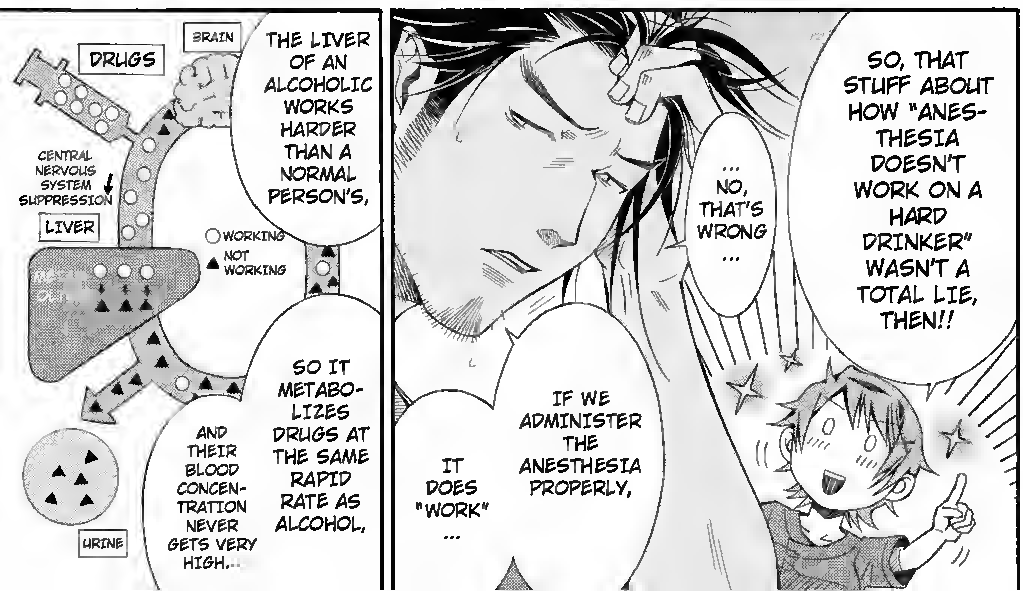
...BY THE WAY, THIS "MILKY-LOOKING STUFF" IS
AN INTRAVE-NOUS HYPNOTIC AGENT CALLED PROPOFOL ...
THE FAMOUS KING OF POP CALLED IT HIS "MILK"...
...HE'S OUT...
ARE YOU FEELING ANY PAIN AT THE INJEC-TION SITE?

CHAPTER 19

MUSICAL BEDS

GEEZ, THOUGH... FOR A GUY UNDERGOING SURGERY, THAT BOOZY OLD GEEZER WE HAD FIRST THING THIS MORNING WAS AWFULLY ENERGETIC...
...
HE STILL WENT OUT LIKE A LIGHT, THOUGH, EVEN AFTER ALL THAT TALK...
WELL ... SORT OF.
DRUNK-ARDS HAVE THEIR OWN ISSUES, YOU KNOW...


IF THEIR LIVERS ARE SUFFICIENTLY DAMAGED BY ALCOHOLISM, THEY'LL GO RIGHT UNDER, BUT THEY TAKE A LONG TIME TO WAKE UP, AND OTHER ORGANS SUCH AS THEIR HEARTS ARE ALSO AT RISK...
TUG
AND WITH THESE SELF-PROCLAIMED HIGH-TOLERANCE TYPES WHO GO OUT DRINKING DAILY, IT CAN SOMETIMES TAKE A LOT OF TIME AND DRUGS TO KNOCK THEM OUT.
SERI-OUSLY!?


SO, THAT STUFF ABOUT HOW "ANES-THESIA DOESN'T WORK ON A HARD DRINKER" WASN'T A TOTAL LIE, THEN!!
... NO, THAT'S WRONG ...
IF WE ADMINISTER THE ANESTHESIA PROPERLY,
IT DOES "WORK" ...
THE LIVER OF AN ALCOHOLIC WORKS HARDER THAN A NORMAL PERSON'S,
DRUGS
BRAIN
CENTRAL NERVOUS SYSTEM SUPPRESSION
LIVER
WORKING
NOT WORKING
URINE
SO IT METABO-LIZES DRUGS AT THE SAME RAPID RATE AS ALCOHOL,
AND THEIR BLOOD CONCEN-TRATION NEVER GETS VERY HIGH...

GEEZ.
WELL, ANYWAY... GO AHEAD AND TAKE THE REST OF THE NIGHT OFF. I'M GOING TO SLEEP!!
CLINK
...OH, FOR...! WHEN YOU ADMINISTER A DRUG, IT INDUCES METABOLIC ENZYMES, WHICH SPEED UP THE METABOLISM, CAUSING THE EFFECTS OF THE DRUG TO...
ZZZ
...
ENZYME
IT SETS OFF WHAT WE CALL "ENZYME INDUCTION"...
INDUCTION...?
INHALATION ANESTHETICS ARE DIFFERENT BUT
SINCE PROPOFOL IS MAINLY METABOLIZED BY THE LIVER...

*"ANESTHESIOLOGY OFFICE"

YAWN
PARTNERING WITH YOU IS NOTHING BUT A STORM OF EMERGENCIES, DAY AFTER DAY AND NIGHT AFTER NIGHT...
YOU'RE WEARING ME OUT!!
IS IT 4 AM ALREADY?
WE'VE GOT A MEETING AT 7:30 TODAY, DON'T WE? MY HOUSE IS SO FAR AWAY, IF I WENT HOME, I WOULDN'T HAVE TIME TO SLEEP!!
WHAT? GOT A PROBLEM WITH THAT, HANAOKA?
YOU'RE NOT PLANNING TO SPEND THE NIGHT IN THE OFFICE, ARE YOU!?
JINGLE

YOU CAN'T BLAME PEOPLE FOR THINGS LIKE THAT!!
TRY NOT TO SUMMON ANY MORE! ♥
WELL, THEN, GOOD NIGHT, MISS HANAOKA, YOU STORM-SUMMONER, YOU.

NGH...
I WANTED TO...SLEEP IN THE OFFICE, TOO...
I...
SULK
むぅ～

WELL, I WAS PLANNING ON IT, BUT...
YOU, TOO, HANAOKA?
W...
HM?

YOU MEAN YOU'LL LET ME SLEEP IN THE OFFICE?
HUH? ♥
すぃっ
SLIDE
WELL, IF THAT'S THE CASE, YOU SHOULD HAVE SAID SO SOONER...
WHAT WERE YOU HOLDING BACK FOR?
WHAT, REALLY?

THERE'S NO WAY AN UNMARRIED MAIDEN LIKE ME COULD SLEEP IN THE SAME ROOM AS A GUY!!
...I!! I'D BE SHARING WITH YOU!?
NO, なら
NO なら
PFFT
THAT KIND OF THING IS NORMAL IN THE MEDICAL WORLD, ISN'T IT?
WHY SO SELF-CONS-CIOUS? IT'S FINE, ISN'T IT?
SCOOT

NO WAY!
FUME

THERE ARE LOADS OF BETTER PLACES TO SLEEP IN THIS HOSPITAL THAN NEXT TO YOU, DR. HIURA...
ANNOYED SOMEHOW
HMPH
I HOPE YOU HAVE A LOVELY NIGHT ALONE, THOUGH!!

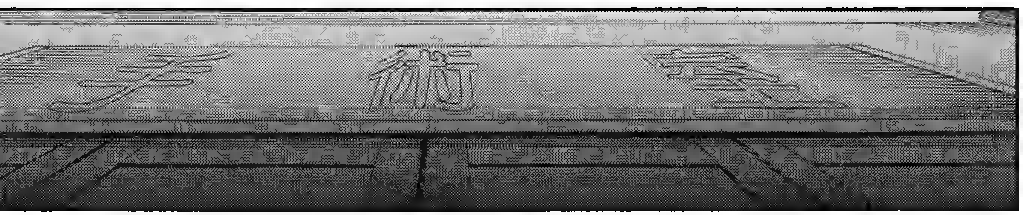
SURE ...
OF COURSE,
I'D BE SLEEPING THERE, TOO, BUT...
HUH?

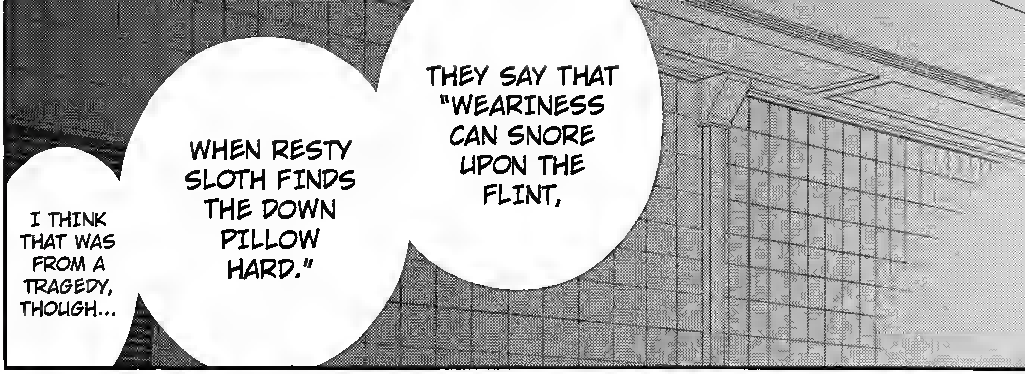
...
WELL,
BRUSH
しゃか
BRUSH
しゃか
THAT'S WHAT I TOLD HIM, BUT...

CLATTER
カラ
ZZZ
PHYSICIANS' BREAK ROOM
...
CLATTER
カラ
ZZZ
ANESTHESIOLOGY BREAK ROOM
...

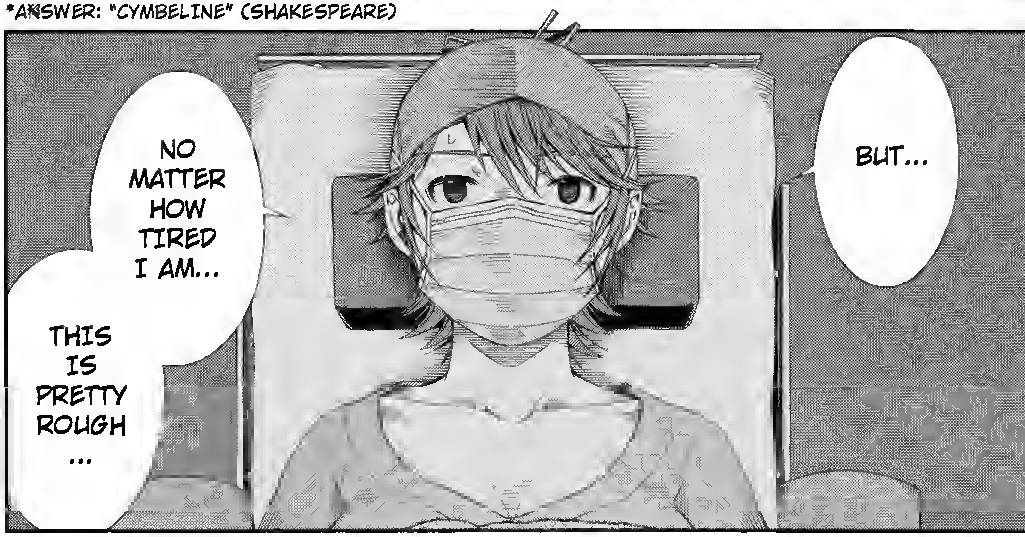
EVEN IF IT ISN'T THE MAIN HOSPITAL, IT'S A DESIGNATED TERTIARY CARE CENTER, YOU KNOW!
IT'S A PROBLEM
IN THE FIRST PLACE THAT THIS IS A UNIVERSITY HOSPITAL AND YET IT DOESN'T HAVE A NIGHT DUTY ROOM!
THE BREAK ROOMS ARE A LOST CAUSE... THEY'RE ALL OCCUPIED BY THE SURGICAL INTERNS...
SURGERY'S A HUGE DEPARTMENT, SO THE LOW MEN ON THE TOTEM POLE HAVE NOWHERE ELSE TO SLEEP.
FLIME
FLIME
IF IT'S THIS BAD, THERE'S ALWAYS THE STRETCHER IN THE CORRIDOR...
I CAN AT LEAST HAVE A NAP... I'M TOTALLY WORN OUT...
SIGH
...OH, WHATEVER ...
...
HUH?
...
PEEK
LET'S SEE...
IT SHOULD BE OUT...
SNUGGLE
SNUGGLE
IT CAN'T BE ...!!
...!!
THUMP
THE LAST BASTION

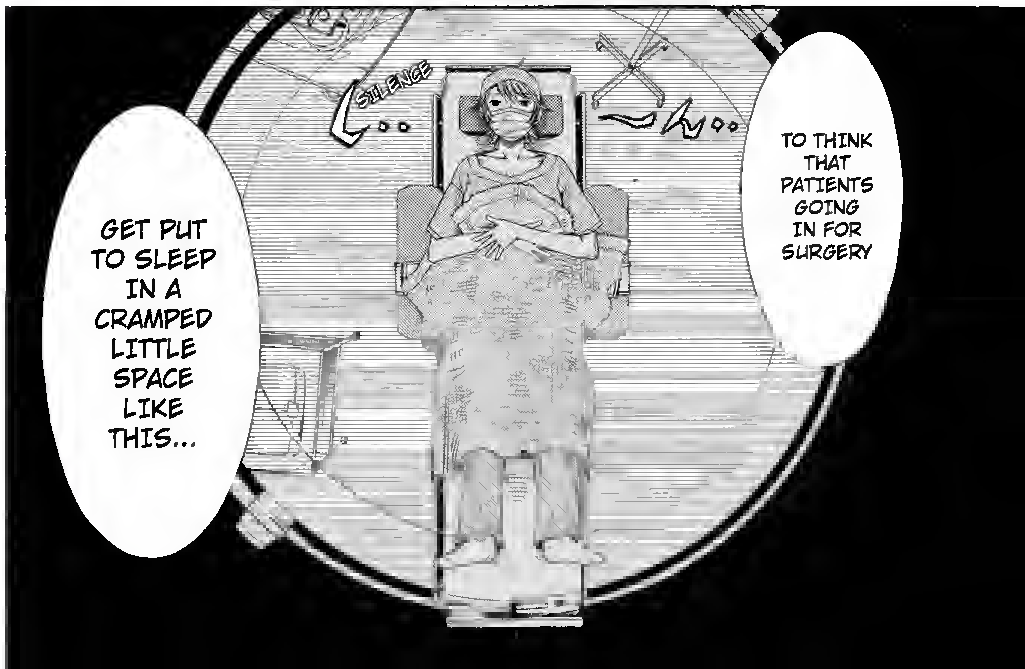
...DAMMIT~! AT A TIME LIKE THIS... IN A PLACE LIKE THIS...
WHAT AM I DOING ON MY OWN!? I CAN'T TAKE THIS!!

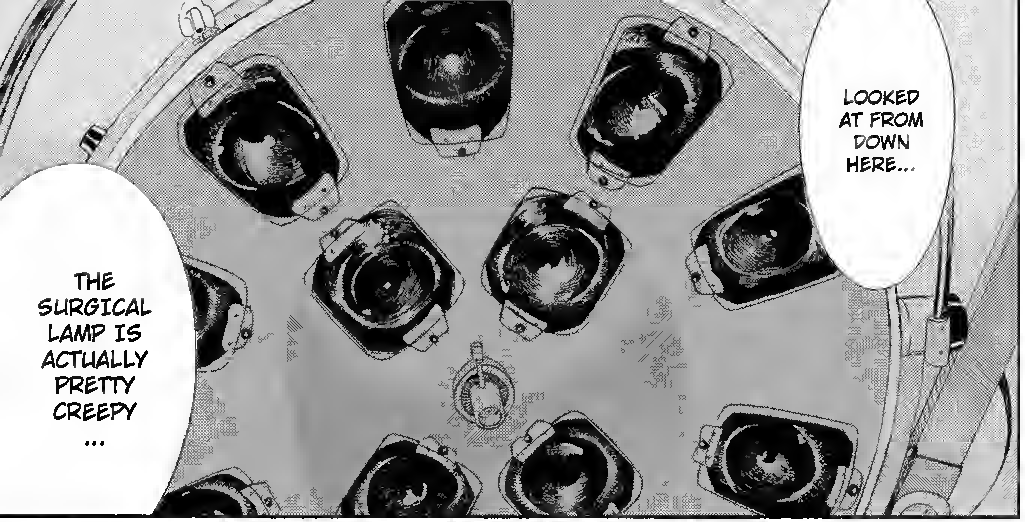

"OPERATING ROOM"

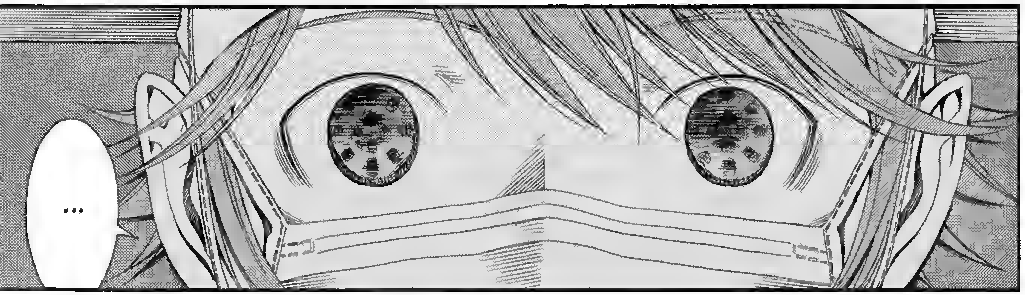

THEY SAY THAT "WEARINESS CAN SNORE UPON THE FLINT,
WHEN RESTY SLOTH FINDS THE DOWN PILLOW HARD."
I THINK THAT WAS FROM A TRAGEDY, THOUGH...

*ANSWER: "CYMBELINE" (SHAKESPEARE)



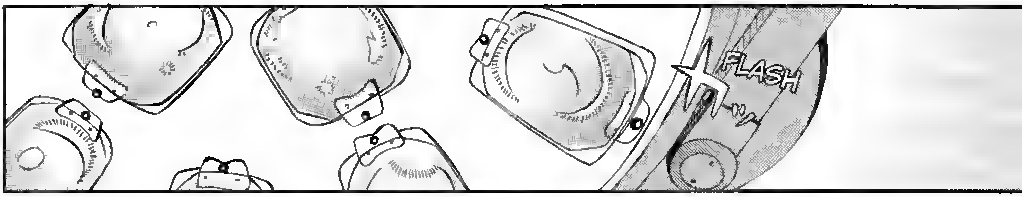



LOOKED AT FROM DOWN HERE...
THE SURGICAL LAMP IS ACTUALLY PRETTY CREEPY ...


...

ARE THEY FEELING, ALL THOSE PATIENTS WHO LIE DOWN HERE, BEARING THEIR FEARS OF SURGERY?
HOW ON EARTH
キ...
TOCK
I NEVER KNEW ...

AND ... WHAT ON EARTH CAN I, THE DOCTOR WHO STAYS THE CLOS- EST TO THEIR SIDES, DO FOR THEM ...?
...


FLASH

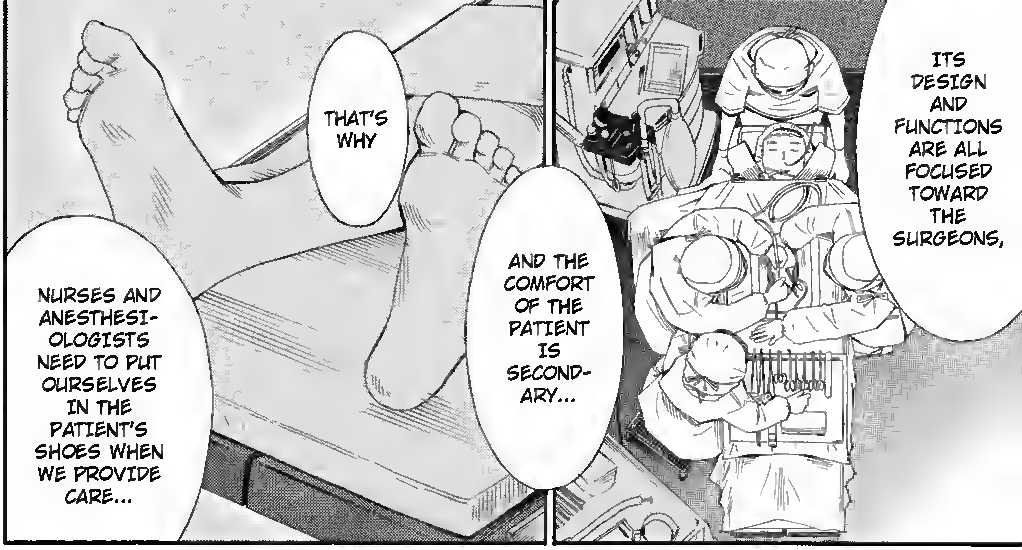
DR. HANA !!
WAKE UP !!

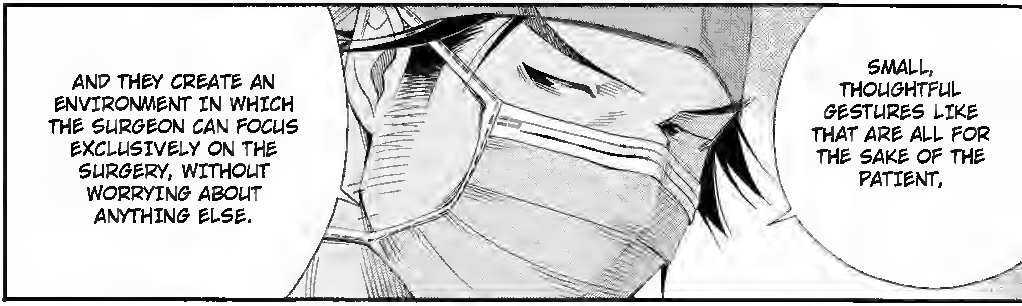
NGH !
BRIGHT !!

FIVE TH...
NO WAY!
IT HASN'T EVEN BEEN TEN MINUTES!!
LOOKS LIKE WE'VE GOT ONE COMING IN AT 5:30...
DOCTOR!! WHY WERE YOU SLEEPING IN A PLACE LIKE THIS!?
...OOGH.
DIZZY
DIZZY
I CAN'T SEE A THING...
SHOO SHOO
YOU'RE IN THE WAY!
MOVE! MOVE!!
APPARENTLY IT'S SURGERY FOR A PERFORATED DUODENAL ULCER.
...I TOLD YOU!
WRECKED
I'M GONNA GET A HOLE IN MY OWN STOMACH FROM OVERWORK...
...STARTING ON YOUR NEXT PATIENT WITHOUT EVEN PAUSING TO SLEEP, HUH...
...TYPICAL DOCTOR HANAOKA...
IT ISN'T MY FAULT!!

...IT'S A LITTLE COLD...
WAVE
WAVE
ISN'T THAT OUTSIDE THE RECOMMENDATIONS FOR ENDOSCOPIC OMENTOPLASTY?
AND IT'S AN EMERGENCY, SO WE'LL BE HANDLING THEM WITH A FULL STOMACH.
LOOKS LIKE AN OPEN GASTRECTOMY... IS IT THAT BAD, OR WHAT?
BEEP
LET'S SEE...
IT'S A BOTCHED LAPAROTOMY. THERE'S HEMORRAGING, AND THE PERFORATION LOOKS LARGE.
SQUEAK
HUH?
ARE YOU COLD?
HEY! TURN THE HEAT UP A LITTLE, WOULD YOU??
IF IT'S A DISTAL GASTRECTOMY... ONE HOUR...
...NO, A SURGERY HERE WOULD TAKE
MORE LIKE 2 TO 3 HOURS.
WILL IT PILE UP WITH THE FIRST CASES OF THE MORNING...?
I'D LIKE TO GIVE THEM AN EPIDURAL, BUT...
...
...WELL, THE OPERATING TIME DEPENDS ON THE SURGEON...

I WAS VERY TIDY ABOUT IT. I SLEPT IN MY MASK AND CAP AND EVERYTHING...
YOU MORON
ぽー
...YOU REALLY ARE AN IDIOT, AREN'T YOU?
AND BESIDES THAT, DOCTOR, DID YOU KNOW?
DR. HANA WAS SLEEPING RIGHT HERE UNTIL JUST A MINUTE AGO.
... WHAT?
I NEVER WANT TO USE THIS BED AGAIN...
...BUT...IT WAS CRAMPED AND HARD...AND UNCOMFORTABLE AS HELL!!
IT'S JUST A FLAT SURFACE USED TO PERFORM SURGERY...
OF COURSE IT WAS...
IT'S AN *OPERATING TABLE*, NOT A BED...
...
SQUEAK


ITS DESIGN AND FUNCTIONS ARE ALL FOCUSED TOWARD THE SURGEONS,
AND THE COMFORT OF THE PATIENT IS SECOND-ARY...
THAT'S WHY
NURSES AND ANESTHESI-OLOGISTS NEED TO PUT OURSELVES IN THE PATIENT'S SHOES WHEN WE PROVIDE CARE...


SMALL, THOUGHTFUL GESTURES LIKE THAT ARE ALL FOR THE SAKE OF THE PATIENT,
AND THEY CREATE AN ENVIRONMENT IN WHICH THE SURGEON CAN FOCUS EXCLUSIVELY ON THE SURGERY, WITHOUT WORRYING ABOUT ANYTHING ELSE.

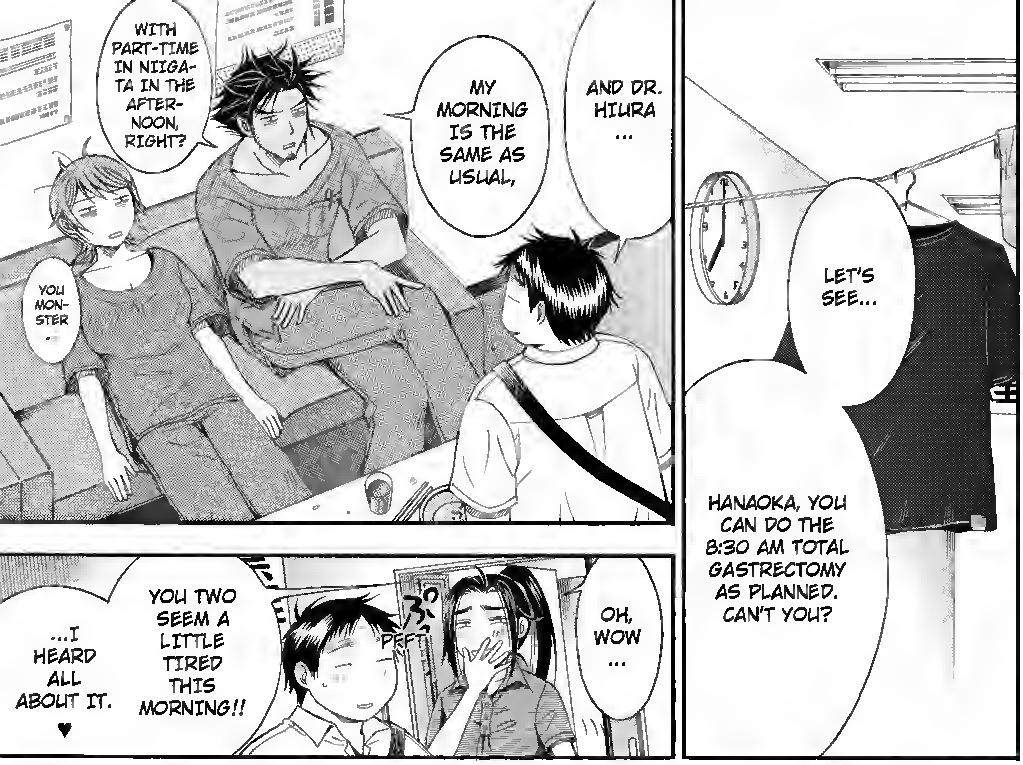
I MAY BE ON THE FLASHY SIDE AS FAR AS ANESTHESI-OLOGISTS GO, BUT...
HAHA
...
I WORK HARD ON THE LITTLE THINGS, TOO, YOU KNOW?
I SEE ...
...

...
THE PATIENT MIGHT NEVER NOTICE ...
KEEP THE ROOM WARM UNTIL THEY'RE ASLEEP ...
SHIFT THE SURGICAL LAMP TO GET IT OUT OF THE PATIENT'S FIELD OF VISION ...
THEY MIGHT THINK THAT'S JUST HOW SURGERY IS...

THEY REALLY ARE LITTLE THINGS ...
EVEN THOUGH I CHOSE THE UNSUNG DEPARTMENT OF ANESTHESIA MYSELF,
I ALWAYS END UP WANTING TO DO OBVIOUS, WONDERFUL THINGS INSTEAD...
LAUGHABLY LITTLE ...

THE KIND WHO PAYS ATTENTION TO THE LITTLE THINGS...
BUT...I WANT TO BE THAT KIND OF ANESTHESIOLOGIST, TOO...

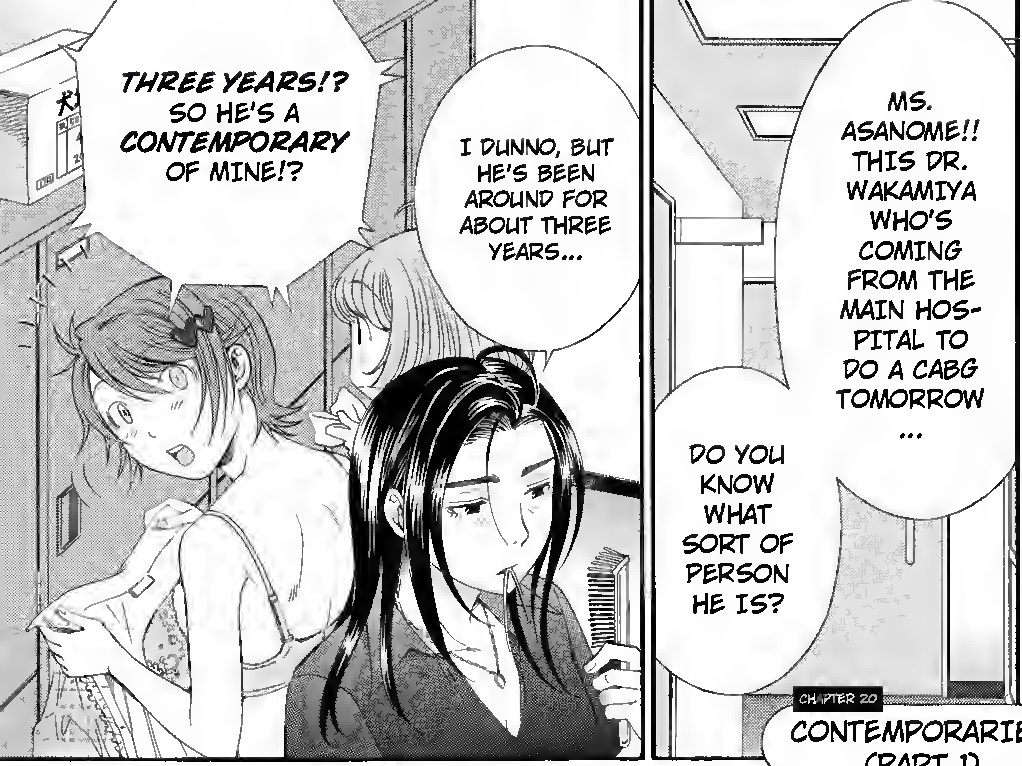
HE GOT IT DONE IN ONE HOUR FLAT...
A GUY LIKE THAT, BURIED IN A SURGICAL DEPARTMENT LIKE OURS...
HE'S NOT NEARLY CRAZY ENOUGH TO BE HERE
...
NO PROBLEM !
THANKS FOR COMING IN SO EARLY, YOU TWO...
STRIDE
STRIDE
STRIDE
THANK YOU VERY MUCH!


LET'S SEE...
HANAOKA, YOU CAN DO THE 8:30 AM TOTAL GASTRECTOMY AS PLANNED. CAN'T YOU?
AND DR. HIURA ...
MY MORNING IS THE SAME AS USUAL,
WITH PART-TIME IN NIIGATA IN THE AFTERNOON, RIGHT?
YOU MONSTER...
OH, WOW ...
PEF!
YOU TWO SEEM A LITTLE TIRED THIS MORNING!!
...I HEARD ALL ABOUT IT. ♥

IF THAT SURGERY WAS JUST A LITTLE LATER,
AHAHA
THERE MIGHT HAVE BEEN EARLY-MORNING PRECEDENT FOR YOU TO FOB IT OFF ON KOBAYAKAWA OR SOMEBODY AND GET OUT OF IT...
MY CONDOLENCES! ♥
...
...THAT WOMAN
...IS DESPICABLE...
THAT WAS ACTUALLY ALMOST NICE, FOR HER...

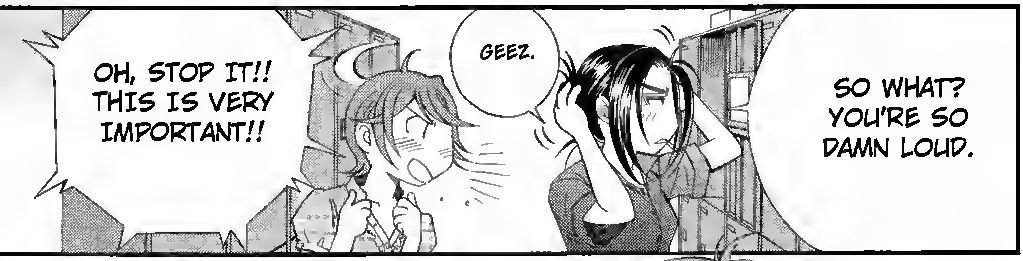
BUT AT LEAST WE'VE GOT A WHILE UNTIL WE START AGAIN AT 8:30...
LET'S TAKE A BREAK, HUH, HANAOKA...?
... YEAH ...
SLIDE
HANA!! DR. HIURA!
GOOD MORN-ING!!
DAISY-FRESH!
I'M IN CHARGE OF THE MEETING TODAY!
HERE ARE THE PRINT-OUTS! WE'RE STARTING NOW, SO PLEASE COME QUICKLY.
I DID MY BEST!
RUSTLE
RUSTLE
AH!
THE MEETING!!

ISN'T IT LUCKY YOU MADE IT TO THE MORNING STUDY MEETING? ♥
HEHE
...THIS IS NOT MY FAULT ...
...
AND SO, THE SLEEP-LESS, ENDLESS EFFORTS OF THE ANESTHE-SIOLO-GISTS CONTIN-UED...
END OF CHAPTER 19


THREE YEARS!? SO HE'S A CONTEMPORARY OF MINE!?
I DUNNO, BUT HE'S BEEN AROUND FOR ABOUT THREE YEARS...
MS. ASANOME!! THIS DR. WAKAMIYA WHO'S COMING FROM THE MAIN HOSPITAL TO DO A CABG TOMORROW ...
DO YOU KNOW WHAT SORT OF PERSON HE IS?

CHAPTER 20

CONTEMPORARIES (PART 1)



• FRESH MEAT •
TWO YEARS AGO (1)
HANA
LAST YEAR (0)
THIS YEAR (1)
ITSUKI
LISTEN HERE!!
FOR THE LAST FEW YEARS, WE'VE ONLY HAD ONE NEW EMPLOYEE A YEAR HERE, IF THAT!

HE'S GOING TO BE MY FIRST-EVER PEER...!
♥
IN OTHER WORDS ...
WOOOW!
ぽぉ
...I GUESS ...?
...IS IT A BOY DOCTOR?
CHAPTER 20
CONTEMPORARIES (PART 1)

WE'VE HAD A RISE IN NEW STAFF IN THE ANESTHESIOLOGY DEPARTMENT, THESE LAST FEW YEARS, BUT IT WOULD STILL BE HARD TO SAY WE'RE FULLY STAFFED...
I WONDER WHAT HE'S LIKE! ♥
たらったらったらー
LA-DE-DAH~
CHIRP*
CHIRP
CHIRP
LA-LA-LAA~!

*TN THE CRIES OF CICADAS, A SIGN OF SUMMERTIME

AH...

!
BA-DUMP
I... UM...

A...ARE YOU DR. WAKAMIYA FROM THE MAIN HOSPITAL...?
... YES, I AM, BUT ...
WHO ARE YOU?

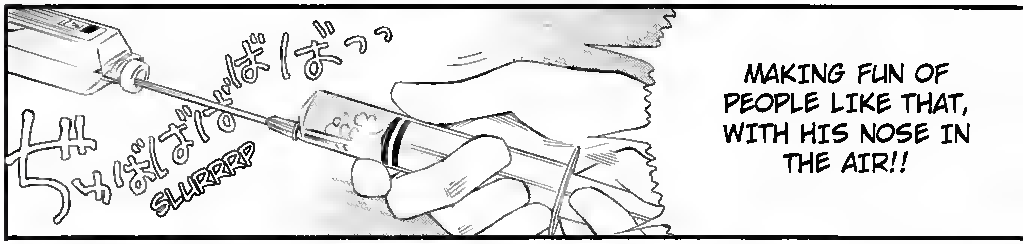
UM...
I KNOW THIS IS SUDDEN, BUT...
I-I'M A THIRD-YEAR ANESTHESI-OLOGIST HERE...
HANAOKA HANAKO ...
A CONTEM-PORARY OF YOURS ...

WAKA-MIYA,
IT'S VERY NICE TO M...
WHICH ROOM DO YOU USE FOR HEARTS?
STAND

HEY!! IF YOU CAN WAIT JUST A MINUTE, I'LL GET CHANGED
AND WALK YOU THERE !!
NO... I'M FINE...
....OH
I KNOW !
UH...
WELL... HEARTS ARE IN ROOM NUMBER TWO...
OVER THERE ...
YOU GO IN BY THE OPERAT-ING THE-ATERS AND TURN LEFT...
...HUH ?
...
SIGH
WHAT IN THE WORLD ARE THEY THINKING, HERE AT EAST...?
EVERY MONTH, THE MAIN HOSPITAL HAS TO HEAR ABOUT HOW THERE AREN'T ENOUGH STAFF AND YOU'RE FRANTICALLY STRUGGLING...
BUT I ROLL UP MY SLEEVES AND TRY COMING TO HELP, AND THIS IS WHAT I GET!!
A THIRD YEAR LIKE YOU AND A SUPERVISING PHYSICIAN SHOULD BE MORE THAN ENOUGH TO HANDLE A HEART BYPASS...

*A STATE IN WHICH AIR PRESSURE INSIDE A ROOM IS RAISED, TO PREVENT THE ENTRY OF OUTSIDE AIR CONTAMINATED WITH MICROORGANISMS AND SO ON

WHO DOES THAT JERK THINK HE IS!?
IT MAKES ME SO MAD!!
POP!
BUSTLE
BUSTLE

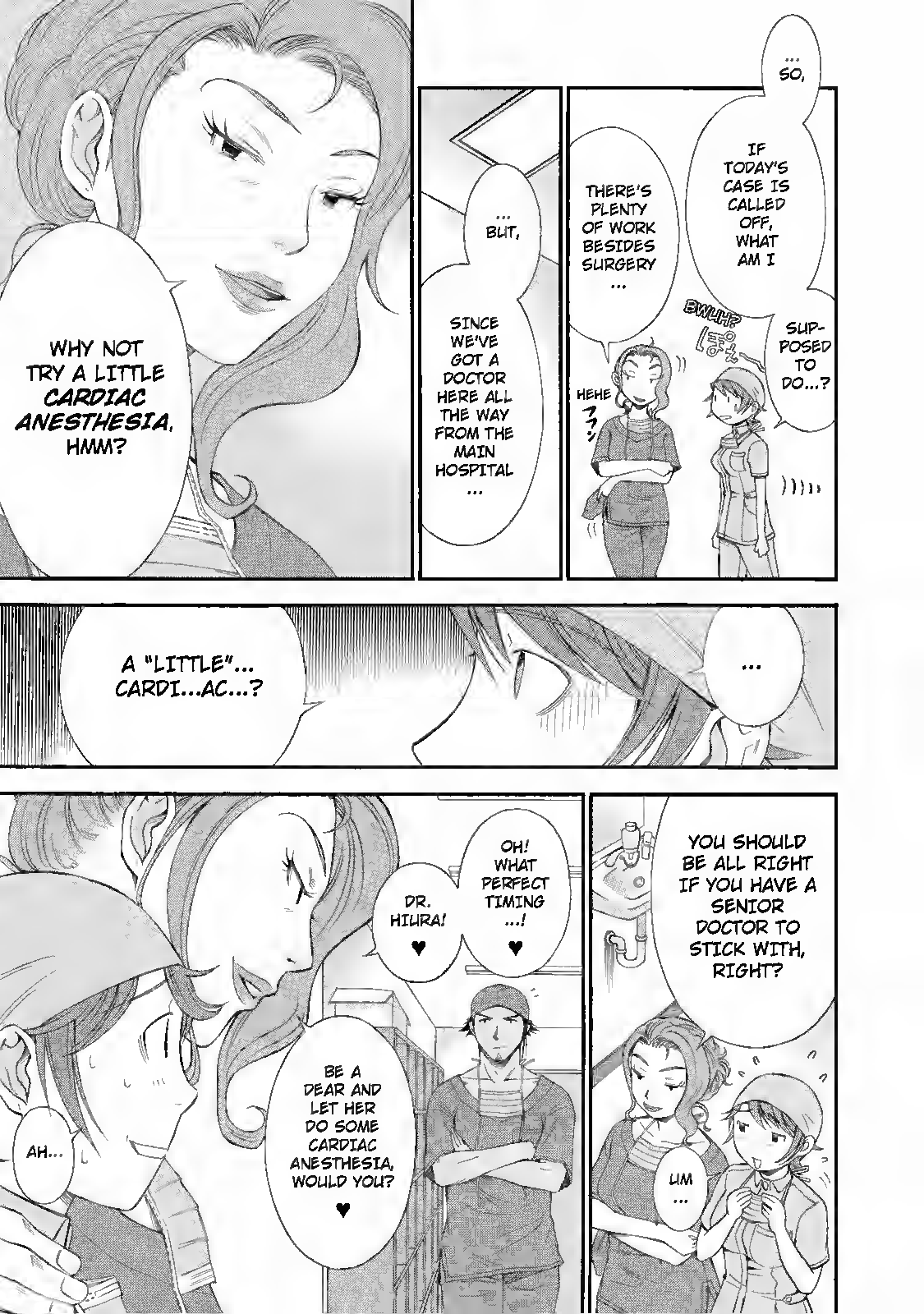

SLURRRP
MAKING FUN OF PEOPLE LIKE THAT, WITH HIS NOSE IN THE AIR!!

I'M FROM THE MAIN HOSPITAL, TOO, SO MAYBE I SHOULDN'T BE THE ONE TO SAY THIS, BUT...
...BUT, YOU KNOW,
DON'T STICK THE POLY AMPOULE WITH THE NEEDLE
LOOKS LIKE YESTERDAY'S HONEYMOON IS OVER, HUH?
AHH.
SO WHAT IF HE'S FROM THE MAIN HOSPITAL!? HE PISSES ME OFF!!
WHAT'S WRONG WITH WORKING HERE, HUH!?

TO BE HONEST, AS THINGS STAND,
I'VE GOT TO SAY THAT THE EAST HOSPITAL IS LOW-LEVEL, COMPARED TO THE MAIN HOSPITAL...
HUH?
UP UNTIL A FEW YEARS AGO, THE EAST HOSPITAL WAS A SLEEPY LITTLE CLINIC WITHOUT A LOT OF HEART SURGERY AND SO ON, BUT...
THEN THE MAIN BRANCH
SENT OVER SOME YOUNG, FRESH BLOOD, AND THE HIGHLY-TALENTED DR. ARISUGAWA AS A PROFESSOR ...

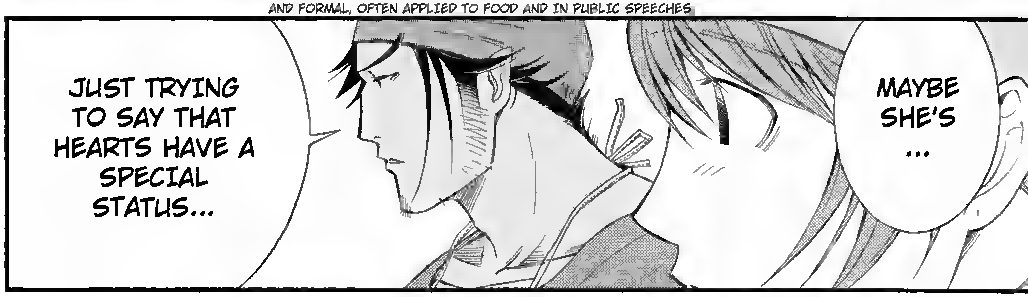
THEY CLEARED OUT THE OLD GUARD AND BROUGHT IN NEW STAFF, TO FOCUS ON TERTIARY CARE...
IT LOOKS LIKE THEY WERE AIMING TO CREATE A MEDICAL FACILITY THAT COULD STAND ON A PAR WITH THE MAIN HOSPITAL, BUT...
... WELL.
IN REALITY, ALL THEY GOT WAS THIS PLACE...
OH, IF IT ISN'T DR. HANAOKA...
GLARE
... YOU'RE KIND OF PISSING ME OFF ...

PRO-FES-SOR !?
OH, HOW UNFORTU-NATE!
HAVE YOU ALREADY FINISHED PREPPING FOR ANES-THESIA?
BUT YOUR PATIENT'S HAD A HEPATOTOXIC REACTION TO THEIR ANTIBIOTICS...
IT'S SUCH A WASTE AFTER YOU WENT TO ALL THIS TROUBLE TO PREPARE,
WHAT ARE YOU TALKING ABOUT... THE ANESTHESI-OLOGIST HAS THE RIGHT TO CANCEL OR POSTPONE SUR-GERY!!
IS THAT OKAY !?
WHAAAT !?
IT SOUNDS LIKE THE SURGEON IS PRETTY ANNOYED, BUT
AND WE'LL HAVE TO POSTPONE SURGERY. ♥

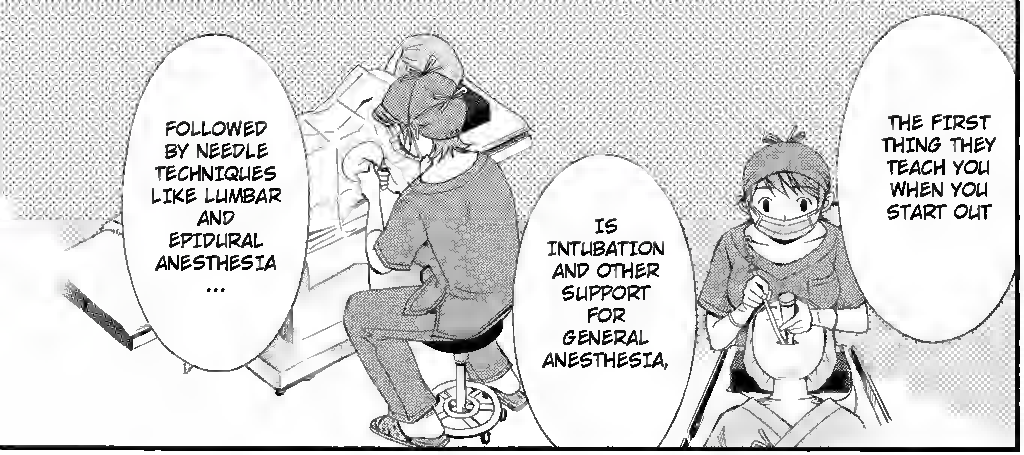

WHY NOT TRY A LITTLE CARDIAC ANESTHESIA, HMM?
... BUT, SINCE WE'VE GOT A DOCTOR HERE ALL THE WAY FROM THE MAIN HOSPITAL ...
THERE'S PLENTY OF WORK BESIDES SURGERY ...
IF TODAY'S CASE IS CALLED OFF, WHAT AM I SUPPOSED TO DO...?
... SO,
BWUH?
HEHE
A "LITTLE"... CARDI...AC...?
...
AH...
BE A DEAR AND LET HER DO SOME CARDIAC ANESTHESIA, WOULD YOU? ♥
DR. HIURA! ♥
OH! WHAT PERFECT TIMING ...! ♥
YOU SHOULD BE ALL RIGHT IF YOU HAVE A SENIOR DOCTOR TO STICK WITH, RIGHT?
UM ...

I DON'T LIKE OVERFORMALITY MUCH MYSELF, BUT...
YOU EXPECT THAT KIND OF FANCY TALK* FROM A RICH SOCIALITE, BUT A PROFESSOR DISCUSSING CARDIAC ANESTHESIA?
BUT "A LITTLE CARDIAC ANESTHESIA"...?
"A LITTLE CARROT" OR "A LITTLE CABBAGE"...
...I WOULDN'T MIND HER SAYING "A LITTLE EGGPLANT" OR "A LITTLE RADISH"...

*THE SPEECH PATTERN SHE USED WAS EXCESSIVELY HONORIFIC AND FORMAL, OFTEN APPLIED TO FOOD AND IN PUBLIC SPEECHES.

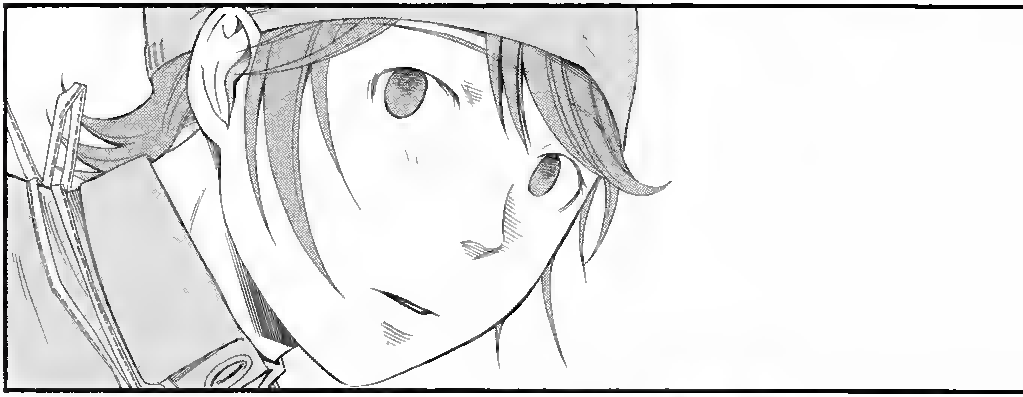


BUT... WHY ARE HEARTS SO SPECIAL...?
...WHAT ARE YOU TALKING ABOUT...?
SLUMP
"A LITTLE STOMACH" OR "A LITTLE COLON", DOES SHE!
COME TO THINK OF IT, SHE NEVER SAYS
I SEE!


THE FIRST THING THEY TEACH YOU WHEN YOU START OUT
IS INTUBATION AND OTHER SUPPORT FOR GENERAL ANESTHESIA,
FOLLOWED BY NEEDLE TECHNIQUES LIKE LUMBAR AND EPIDURAL ANESTHESIA ...

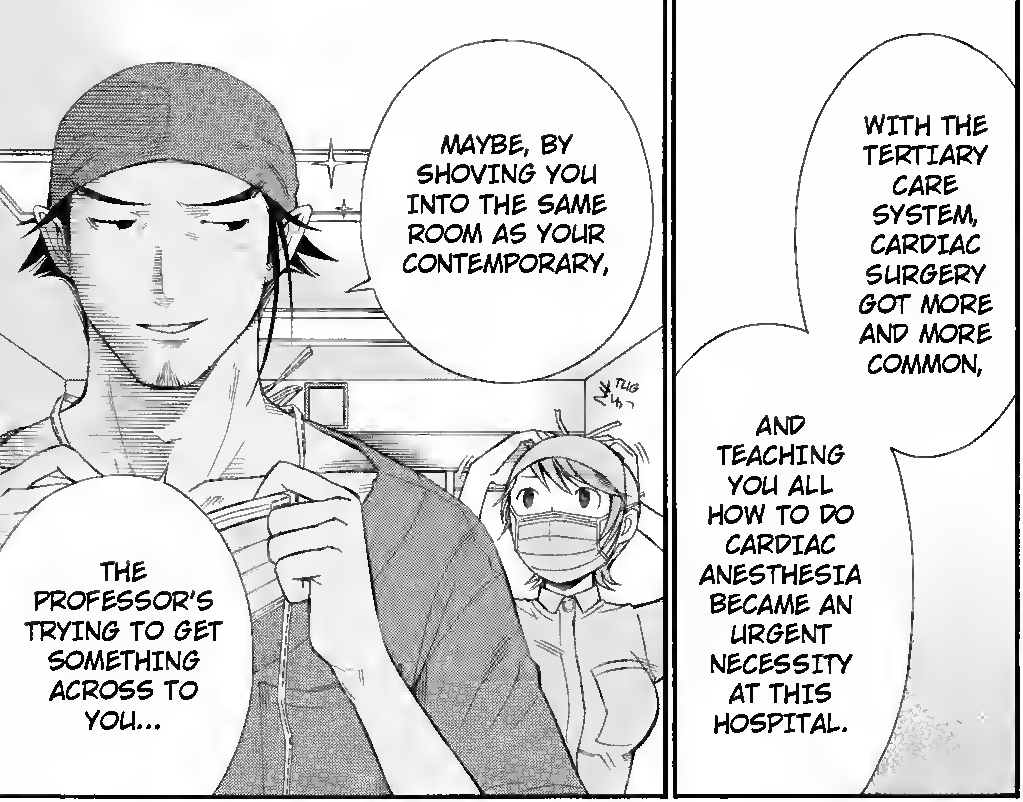
AND FINALLY, LAST OF ALL, CARDIAC ANESTHE-SIA...
THEN YOU LEARN HOW TO INSERT AN A LINE AND A CV LINE,
AND ABOUT BLOCKS AND DIFFERENTIAL LUNG VENTILATION ...

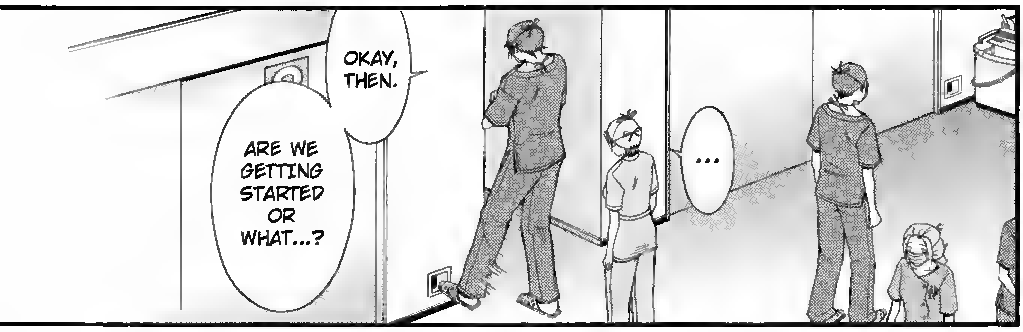
THERE REALLY IS A LOT TO DO... AND YOU ONLY STOP THE HEART FOR CARDIAC SURGERY ...
IT REALLY IS DIFFERENT FROM ANYTHING ELSE...
...WELL, IT WOULD BE HARD TO OPERATE ON A HEART WITHOUT STOPPING IT...
BUT IF YOU ASK ME, THE DIFFERENCE THERE COMES DOWN TO ONE THING...



* TGA: TRANSPOSITION OF THE GREAT ARTERIES

IT MUST HAVE BEEN EVEN WORSE IN THAT OLD LADY'S DAY, YEAH?
WHEN I WAS GETTING STARTED... ONLY ABOUT 20% OF TGAS HAD A FAVORABLE OUTCOME, YOU KNOW?


WITH THE TERTIARY CARE SYSTEM, CARDIAC SURGERY GOT MORE AND MORE COMMON,
AND TEACHING YOU ALL HOW TO DO CARDIAC ANESTHESIA BECAME AN URGENT NECESSITY AT THIS HOSPITAL.
MAYBE, BY SHOVING YOU INTO THE SAME ROOM AS YOUR CONTEMPORARY,
TUG
THE PROFESSOR'S TRYING TO GET SOMETHING ACROSS TO YOU...


OKAY, THEN.
ARE WE GETTING STARTED OR WHAT...?
...

CLANG!

THE AIR SEEMS FROZEN. IT STABS RIGHT THROUGH ME...
IT SHOULDN'T BE ANY DIFFERENT THAN ANESTHESIA FOR ANY OTHER OPERATION, BUT...
CARDIAC ANESTHESIA ...
TREMBLE
...NNG!

THIS ROOM REALLY DOES FEEL LIKE ANOTHER WORLD...
...
HEY, LOOK ...
YOU CAN BE IN HERE, BUT DON'T HOLD ME BACK...
!
IF YOU CAN'T DO ANYTHING USEFUL,
SNIRK
I'D APPRECIATE IT IF YOU'D JUST SEE TO THE CHARTS
AND STAY QUIET ...
...W-WHAT DID YOU ...!?
SON OF A... WHO DOES HE THINK HE IS, TALKING LIKE THAT WHEN WE'RE THE SAME AGE!?

HOW DARE HE UNDERESTIMATE HANAOKA HANAKO...!?
I'M NOT GONNA LET THAT CREEP WIN THIS!!
I'M DR. WAKAMIYA, AND I'LL BE IN CHARGE OF ANESTHESIA FOR YOU TODAY.
IT'S NICE TO MEET YOU...
ATTACHING ECG SENSORS ...
...EXCUSE ME, MR. ITO.
*ITO ICHIRO, CARDIAC SURGERY, BLOOD TYPE
IF IT'S JUST PROCEDURE, I SHOULD BE ABLE TO DO AS WELL AS HIM...
CLUNK
I'LL HAVE TO WORK WITH HIM ON THAT ...
ESTABLISH A TRANSFUSION LINE, AND DO A T.E.E. ...
INSERT A TRI-LUMINAL CATHETER AND THEN A SWAN-GANZ ...
THE PREP FOR CARDIAC ANESTHESIA IS INTENSE ...
ONCE THE PATIENT IS IN THE THEATER, ESTABLISH AN IV LINE.
PUT HIM OUT, INTUBATE HIM, AND ESTABLISH AN A LINE.

DR. HIURA, I'LL INTUBATE THE PATIENT ...
IN THAT CASE, HANAOKA, THE A LINE ...
YES, SIR ...

ONCE THE PATIENT IS ASLEEP, WE'LL BOTH BEGIN THE PROCEDURE TOGETHER...
INTRAVENOUSLY INJECTING 10 MG OF MIDAZOLAM AND 10 MG OF VECURONIUM ...
YOU'LL START TO FEEL SLEEPY ...
...

FOR NOW, I'VE JUST GOT TO GIVE IT ALL I'VE GOT!!
SHFF
A LINE SECURED !!
END OF CHAPTER 20

AN A LINE IS A LINE SECURED PRIMARILY IN AN ARTERY IN THE PATIENT'S ARM OR LEG.

RADIAL ARTERY

DORSAL ARTERY

✕ PRIMARY INSERTION SITES

○ USED WHEN "X"S CAN'T BE

▲ LAST RESORTS

AT FIRST GLANCE, IT LOOKS THE SAME AS AN IV, BUT...

ITS USES ARE COMPLETELY DIFFERENT FROM THOSE OF AN IV, WHICH IS PLACED IN A VEIN.

▼ BLOOD PRESSURE IS CONTINUALLY INDICATED

ART 85/ 45 (55)

ARTERIAL BLOOD CAN BE DRAWN TO ANALYZE BLOOD GASES AT ANY TIME

IT CAN BE USED TO REPEATEDLY CHECK BLOOD PRESSURE OR TO DRAW ARTERIAL BLOOD.

VEIN

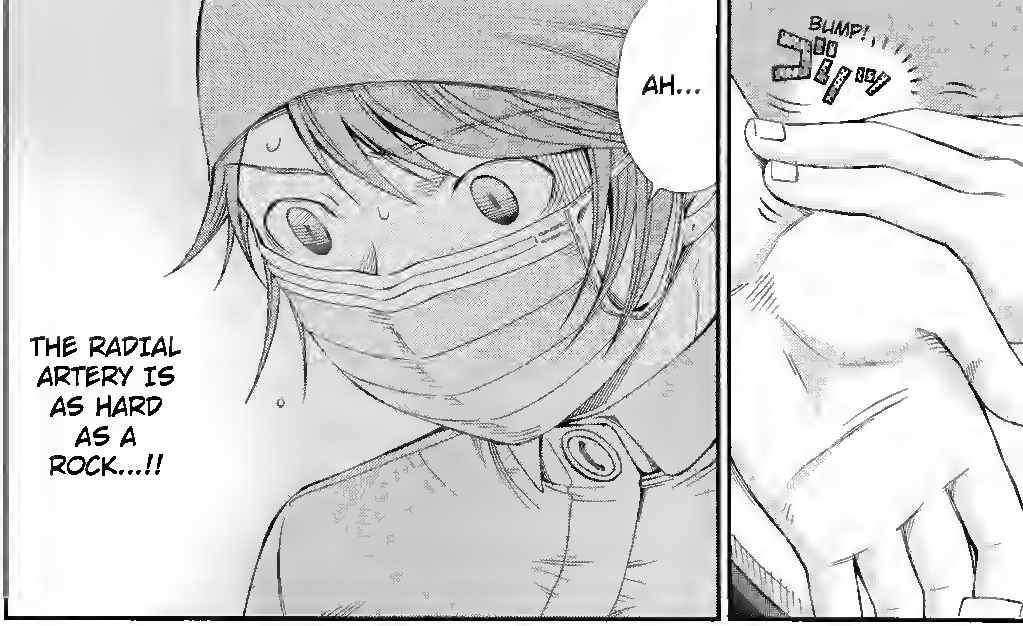
ARTERY

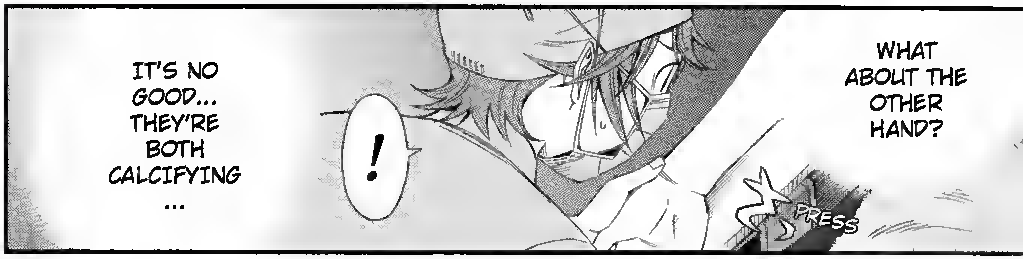
HOWEVER, SOMETIMES IN THE CASE OF A PATIENT WITH A MYOCARDIAL INFARCTION ...

DUE TO THIS, A LINES ARE COMMONLY USED IN CARDIAC SURGERY OR WITH CRITICAL PATIENTS WHOSE BLOOD PRESSUREIS UNSTABLE, BUT... SINCE ARTERIES ARE LOCATED MORE DEEPLY UNDER THE SKIN THAN VEINS, THEY CAN BE MORE DIFFICULT TO INSERT THAN AN IV...

CHAPTER 21

CONTEMPORARIES PART 2


THE RADIAL ARTERY IS AS HARD AS A ROCK...!!
AH...
BUMP!


IT'S NO GOOD... THEY'RE BOTH CALCIFYING ...
!
WHAT ABOUT THE OTHER HAND?
PRESS

OF COURSE THE ATHEROSCLERO-SIS HASN'T OCCURRED IN JUST ONE PART OF HIS BODY...!!
WELL, IT'S NOT LIKE THIS IS A SURPRISE, BUT...
HIS ARTERIES HAVE HARDENED ... ATHERO-SCLEROSIS!

THIS PATIENT'S CORONARY ARTERY IS BADLY DAMAGED BY A MYOCARDIAL INFARCTION...
SO THE ARTERIES OF HIS ARMS AND LEGS MUST BE, TOO...
... THIS IS ...

...

A NORMAL BLOOD VESSEL...
CAN BE PIERCED BY A NEEDLE WITHOUT ANY TROUBLE, BUT...
A HARDENED BLOOD VESSEL, IF POKED AT SLOWLY,
WILL ESCAPE!!
...AN ORTHODOX TECHNIQUE
MIGHT NOT WORK ON THIS BLOOD VESSEL...

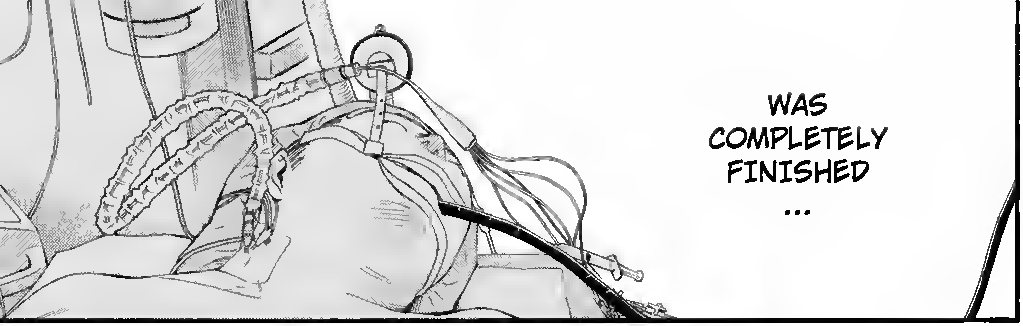
BA-DUMP
ドクン
BA-DUMP
ドクン
CALM DOWN!
...
WHEREAS A 20 GAUGE NEEDLE IS 0.8 MILLIMETERS ...
THE RADIAL ARTERY HAS A THICKNESS OF THREE MILLIMETERS ...
IT TAKES TIME TO STOP THE BLEEDING ...
IF YOU HALF-ASS IT AND GRAZE THE ARTERY...
AND THE SITE WILL BE UNSAL-VAGE-ABLE!!
IN THE WORST CASE, IT'LL HEMORRHAGE AND SWELL UP BY THE SECOND SHOT,
WITHOUT LETTING IT ESCAPE...
...!
...THERE'S NOTHING ELSE TO DO BUT NAIL THE VESSEL IN ONE SHOT...
SHFF

IT WOULD BE LAUGHABLY EASY, BUT...
IF YOU COULD SEE IT...
THICK-NESS
PULSE RATE
HARD-NESS
DEPTH
AND FORM A COMPLETE MENTAL IMAGE OF THAT INVISIBLE ARTERY ...
BA-DUMP
IF YOU HONE THE SENSI-TIVITY OF YOUR FINGER-TIPS...
...FIRST, INSERT IT SLIGHTLY, FROM THE NEAR SIDE...
PRICK
...
YOU WON'T MISS!!

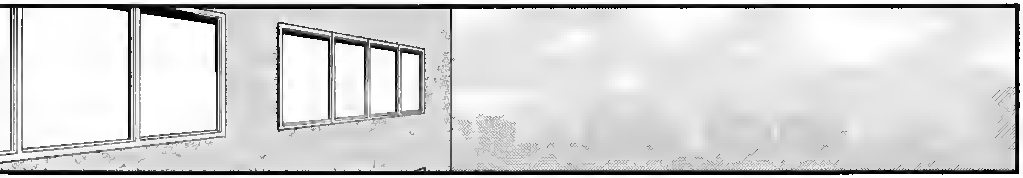
SLIDE
ADVANCE THE CATHETER, PRESSED FIRMLY IN THE SPACE BETWEEN YOUR FINGER AND THE ARTERY...
GET A SLIGHT ANGLE ON IT...
AND PIERCE IT THROUGH THE MIDDLE IN ONE SHOT!!
SPURT!
STAB
...I HIT IT...
...AND NEXT, VERY CAUTIOUSLY ...
PHEW...

VERY SOFTLY...
AND WHEN YOU FEEL BACKFLOW FROM THE ARTERY...
WITHDRAW THE INTERNAL LUMEN SLIGHTLY ...
THEN SLOWLY DRAW OUT THE ENTIRE CATHETER A BIT...
ADVANCE THE INTERNAL LUMEN ...
PUSH
DID IT... GO IN?
PHEW...
DI...
...GOOD... VERY GOOD, HANAOKA...
DR. HIURA, I'VE PLACED THE A LINE!!

ALREADY... FINISHED?!
HUH?
WHAT SHOULD I DO NEXT...?
WELL... WE'VE ALREADY FINISHED PREPPING HIM...
NO WAY !!
COULD YOU DO THE T.E.E. WITH ME?
... OR,
SHOULD WE HAVE YOU DOING THE CHARTS?
Y-YES, SIR...
I CAN'T BELIEVE IT...
WHILE I WAS PUTTING IN THE A LINE...
ALL THAT ENDLESS PREP FOR CARDIAC SURGERY ...

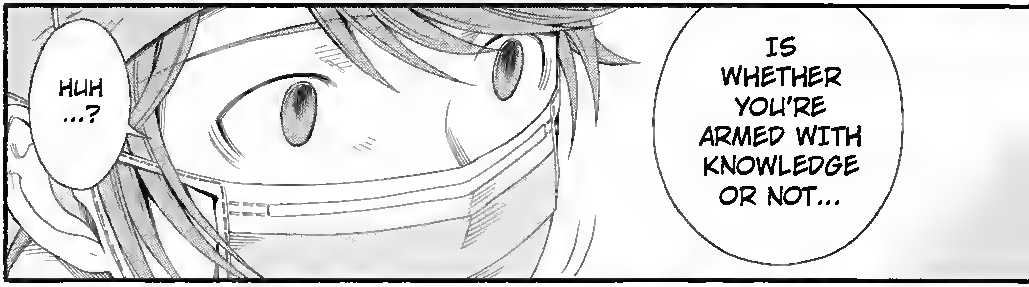

WAS
COMPLETELY
FINISHED
...

I CAN'T
HOLD A
CANDLE TO
HIM
...!!
...
キュッ
SQUEAK
IF THIS IS THE
TRUE SKILL
LEVEL OF MY
CONTEMPORARY
FROM THE MAIN
HOSPITAL...



...WELL,
I DON'T
THINK
SO,
BUT...

LOOK, HANA-OKA...
FROM WHERE I'M STANDING, THERE'S NO MAJOR DIFFERENCE IN YOUR PROCEDURAL SKILLS.
I'D SAY THE REAL DIFFER-ENCE BETWEEN YOU...


IS WHETHER YOU'RE ARMED WITH KNOWLEDGE OR NOT...
HUH ...?

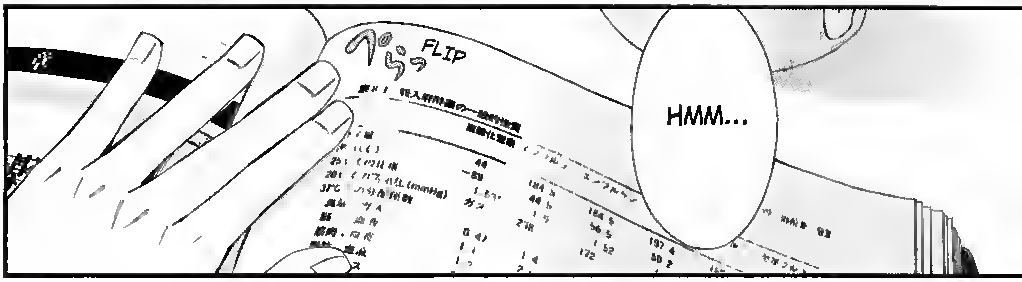
...SO YOU'RE SAYING, IF I BONED UP ON KNOWLEDGE,
EUREKA!
I COULD BE BETTER THAN HIM...?
... THAT'S WHY
MY POINT IS THAT...

I'M GONNA GO STUDY FOR A WHILE!!
AH!
HEY !
DASH!

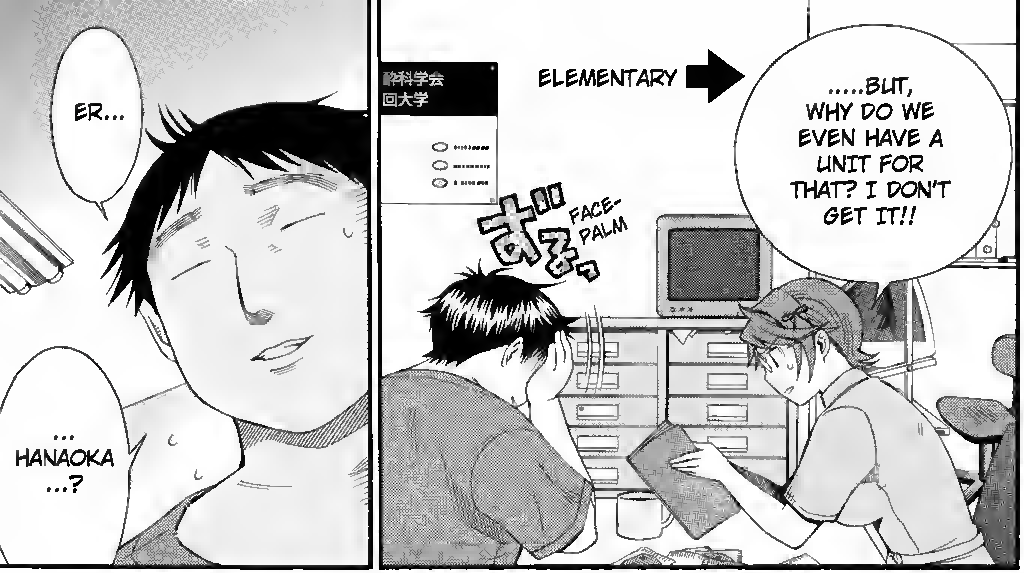
HANA-OKA!!
...
TSK
WAIT !!
...THAT IDIOT...
...SHE JUST DOESN'T GET IT...

...I'D GIVE YOU
EVERYTHING THAT I'VE GOT, SO...

I'M TELLING YOU, WHEN YOU DON'T UNDERSTAND SOMETHING,
JUST COME RIGHT TO ME AND LISTEN...

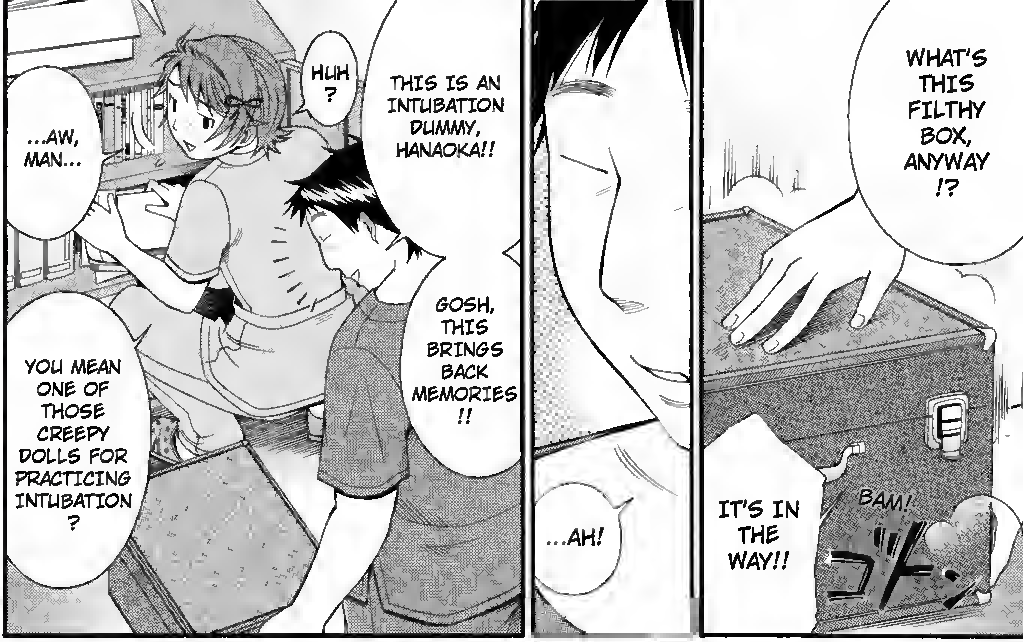

FLIP
HMM...

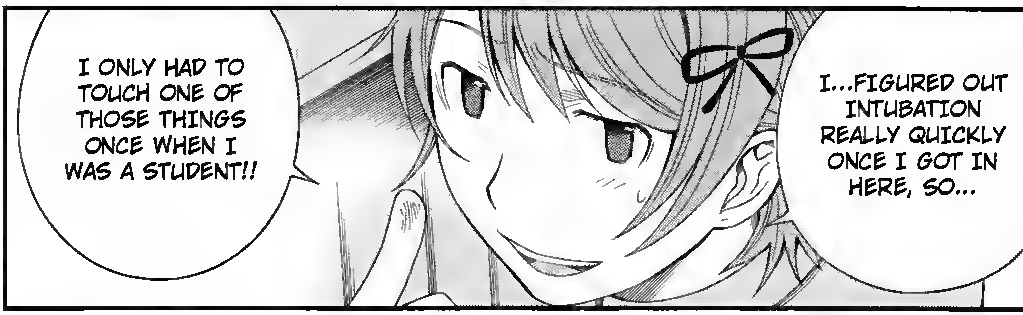
THE CONCENTRATION OF ANESTHETIC VAPOURS THAT PREVENTS 50% OF PATIENTS FROM MOVING IN RESPONSE TO A CUTANEOUS INCISION...
ONE "MAC" IS...
GRAM
GRAM
GRAM

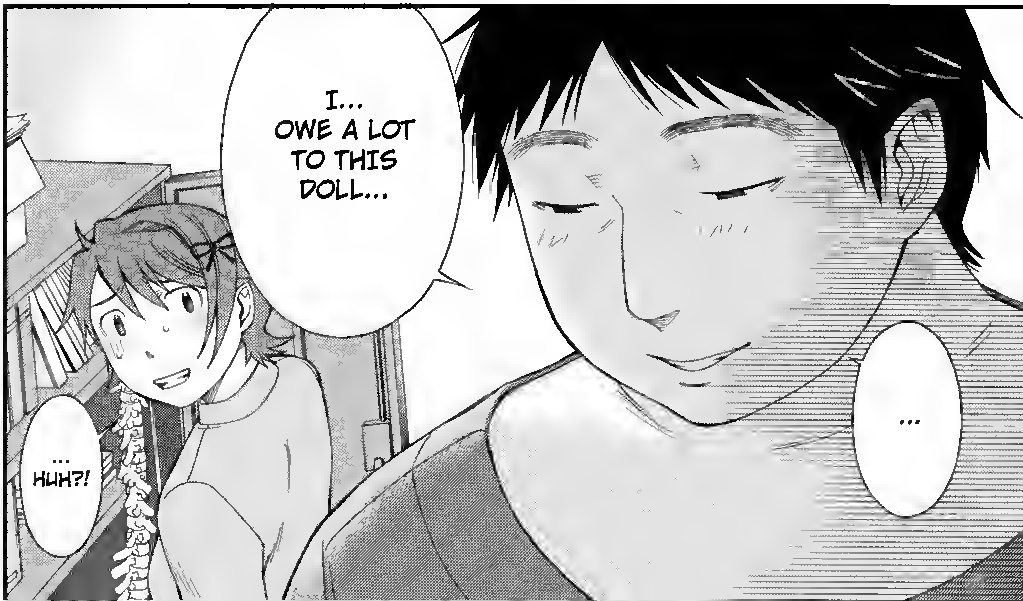

ER...
...HANAOKA...?
ELEMENTARY
.....BUT, WHY DO WE EVEN HAVE A UNIT FOR THAT? I DON'T GET IT!!
FACE-PALM

RUMMAGE
NO... I'VE MADE MY MIND UP TO STUDY...!!
SHOULDN'T YOU BE-HEADED HOME SOON...?
STUDYING IS VERY ADMIRABLE AND ALL, BUT...

GAH!
THIS LOCKER IS PACKED...
BUT, HEY...
YOU SH...
THERE'S EVEN A SPINE IN HERE...
...WHOA...
AND THEN I'LL SHUT UP THAT AWFUL CONTEMPORARY OF MINE FOR GOOD!!
I'LL BE ARMED WITH KNOW-LEDGE!!
OH... IS THAT SO?


WHAT'S THIS FILTHY BOX, ANYWAY !?
BAM!
IT'S IN THE WAY!!
...AH!
GOSH, THIS BRINGS BACK MEMORIES !!
THIS IS AN INTUBATION DUMMY, HANAOKA!!
HUH ?
...AW, MAN...
YOU MEAN ONE OF THOSE CREEPY DOLLS FOR PRACTICING INTUBATION ?


I...FIGURED OUT INTUBATION REALLY QUICKLY ONCE I GOT IN HERE, SO...
I ONLY HAD TO TOUCH ONE OF THOSE THINGS ONCE WHEN I WAS A STUDENT!!


...
I... OWE A LOT TO THIS DOLL...
... HUH?!

... NOT AGAIN ...
WHISPER
WHISPER
WHEN I WAS AN INTERN, I WAS THE KIND OF GUY WHO COULDN'T DO ANYTHING RIGHT,
AND I'D TOTALLY LOST THE TRUST OF THE NURSES IN THE OPERATING THEATER...!
MY THROAT .... IT HURTS ..
OW!! DOCTOR !!
A FEW MONTHS AFTER I GOT IN...
ARE YOU ALL RIGHT ?
IT'S... QUITE AN OLD STORY BY NOW, BUT...
WHERE SHOULD WE GO TODAY?
HEADED OUT?
I FELT SOMEHOW ISOLATED IN THE OFFICE, TOO... AND I WAS THINKING OF QUITTING ANESTHESIA COMPLETELY.
... WORK WITH ME HERE, OKAY?
CLICK
HERE GOES ...
I WAS TRYING VERY HARD IN MY OWN WAY, BUT... WELL...
はは HAHA...
I HAVE TO STAY LATE AND PRACTICE ...
I MESSED UP AGAIN TODAY, SO...

LET'S SEE... ELEVATE THE BACK OF THE HEAD AND EXTEND THE ATLANTO-OCCIPITAL JOINT...
...NEXT, OPEN THE MOUTH...
SECURE THE PATIENT IN THE SNIFFING POSITION ...
INSERT THE LARYNGO-SCOPE FROM THE RIGHT CORNER OF THE MOUTH...
TWIST
AND THEN... ADVANCE THE TIP OF THE BLADE INTO THE VALLECULA ...
AND SPREAD THE LARYNX OPEN!!
CLICK!
BEEEEEEP!
YANK
ACK!! OH, NO...
OWWW!! YOU CHIPPED MY TEETH!! ♥
I'M SO SORRY !!
... HUH ?

HE WAS PLENTY WEIRD HIMSELF, BUT... I KNEW THAT HE WAS THE MOST CAPABLE OUT OF ANY OF MY CONTEMPO-RARIES...
SNERK...
APOLOGIZ-ING TO AN INTUBATION MODEL... YOU'RE SUCH A WEIRDO...!
THIS WON'T DO AT ALL...
HE ALWAYS CRUISED ALONG SO SMOOTHLY, WITHOUT ANY TROUBLE, AND...
YEAH, YEAH! JUST LIKE THAT!
LIKE THIS ?
DON'T CLUTCH THE MCCOY SO TIGHTLY...
!
HERE, SEE? WHEN YOU DO AN INTUBATION ...
DON'T USE IT LIKE A "LEVER" ... DO IT LIKE YOU'RE PUSHING IT IN A PARALLEL DIRECTION, THAT WAY.
I WAS SO USELESS THAT I FELT LIKE WE MUST BE FROM TOTALLY DIFFERENT DIMENSIONS, BUT...
...AH!
SQUEEZE

I'M SO GLAD NOW THAT WE WERE CONTEMPORARIES.
KOBAYAKAWA!! I GOT IT IN!!
IT WENT IN!!
IT'S THANKS TO THE SUPPORT OF THIS DOLL AND MY CONTEMPORARY ...
THAT I'M HERE AS AN ANESTHESIOLOGIST TODAY.
ANESTHESIOLOGY ... IT CAN BE DONE ALONE, BUT... YOUR CONTEMPORARIES... AND OFFICEMATES... REALLY ARE IMPORTANT.
...OH, LOOK AT ME.
HA HA!
I'M RAMBLING AGAIN, AREN'T I?
TOO MUCH OF A SERMON?

IN THE END, AFTER THAT, I LEFT WITHOUT EVEN SPEAKING TO HIM...
UM, ABOUT DR. WAKAMIYA FROM THE MAIN HOSPITAL ...
LIKE I DIDN'T WANT TO BE FRIENDLY, BUT...
... NOT REALLY ...
ぷいっ
POUT
IT'S NOT...
... CHIEF ?
I'M SURE YOU'LL SEE HIM AGAIN SOON.
...YOU WANNA GO GRAB A BITE, TOO...?
OHO, HANAOKA !?
DR. KOBAYAKAWA...
DONE, DONE, DONE ...!
AHHH ...

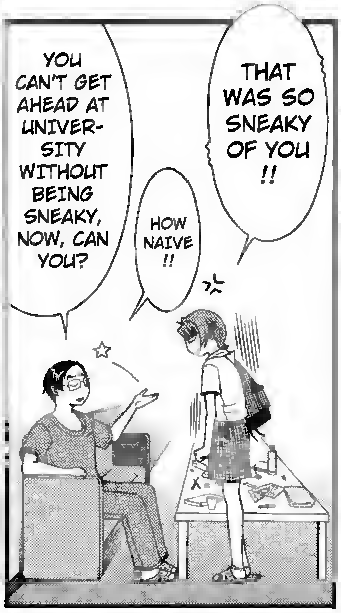
AHH!!
MUNCH
...
YOU STOLE MY FISHCAKE AGAIN, DIDN'T YOU!
THESE TWO ...
THIS IS REALLY BUGGING ME...
...
THEY REALLY ARE GOOD FRIENDS, EVEN AT THIS AGE...
SLURP

GAH!
WAKA-MIYA !!
CLATTER...
カラン
...HM?
WHAT ARE YOU DOING HERE TODAY!?
THAT'S WHAT I'D LIKE TO KNOW...
WHAT'S A MAN LIKE ME DOING IN A PLACE LIKE THIS FOR HALF A YEAR...?
HALF A YEAR?!
...BUT, WELL ...
THERE WAS SOMETHING I MISSED MY CHANCE TO TELL YOU, SO THIS IS PERFECT TIMING...

...
THAT A LINE FROM YESTER-DAY ...
THE SECOND I TOUCHED HIM, I GUESSED THAT IT WOULD BE A ROUGH JOB EVEN FOR MY SKILLS,
SO I DELIBERATELY PUSHED YOU TO DO IT FOR ME...
BUT HERE YOU ARE, ALL DEPRESSED, AFTER YOU INSERTED IT IN ONE SHOT...
I MEAN, SOMETHING'S JUST NOT RIGHT ABOUT THAT...YOU KNOW?
HEH...
WHAT ...?
NO ... WAY ...

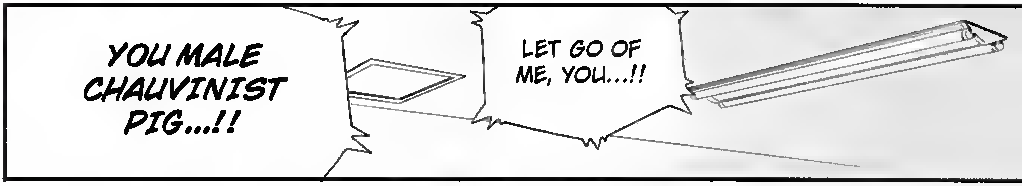
I MEAN STATUS ...
WHAT DO YOU MEAN, "GET AHEAD" ?
GET AHEAD ?

A DOCTOR IS HARDLY A DOCTOR IF HE HASN'T GOT THOSE THREE THINGS...
STATUS
GLORY
MONEY

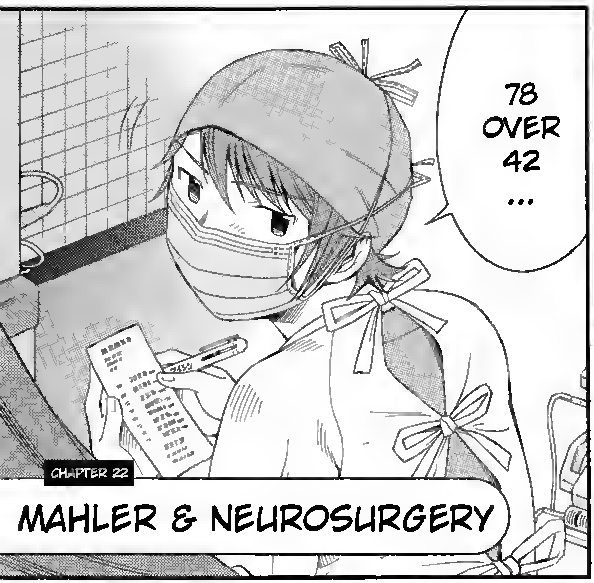

YOU CAN'T GET AHEAD AT UNIVERSITY WITHOUT BEING SNEAKY, NOW, CAN YOU?
HOW NAIVE !!
THAT WAS SO SNEAKY OF YOU !!

AT LEAST FOR NOW, I RECOGNIZE YOU AS MY CONTEMPORARY ...
HONESTLY, I ASSUMED YOU WOULD BE USELESS JUST BECAUSE YOU'RE A WOMAN, BUT...
AH...
SQUEEZE
AS HIS CONTEMPORARY ...?!

I'LL BE EXPECTING YOUR HONEST VOTE!!
...BUH?
CLASP
ぱっし..
...SO YOU'D BETTER NOT QUIT SCHOOL AND GO SHRIEKING OFF TO GET HITCHED AND POP OUT BABIES LIKE THE REST OF THOSE "LADY DOCTOR" BITCHES...
AND IF I PUT MYSELF FORWARD AS A PROFESSORIAL CANDIDATE SOMEDAY, FOR THE SAKE OF MY BRIGHT FUTURE IN ANESTHESIOL-OGY...

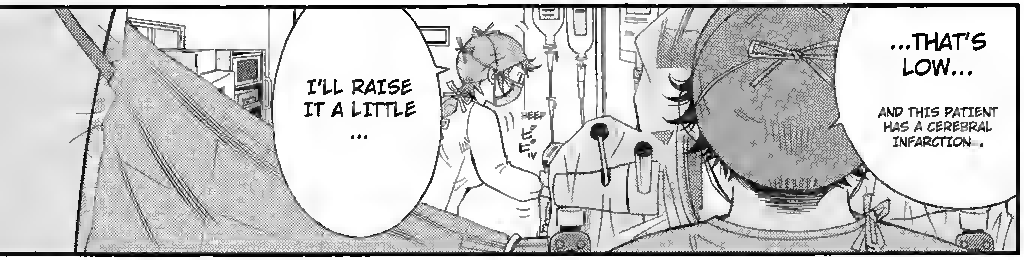

YOU MALE CHAUVINIST PIG...!!
LET GO OF ME, YOU...!!

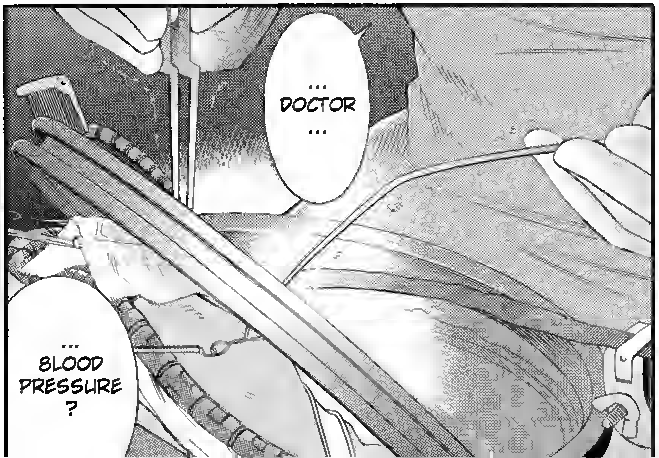
LIKE HELL!!
IT'S FINE, RIGHT?
LIKE HELL DO I WANT A CONTEM-PORARY LIKE THAT!!
WHEN I'M DEPARTMENT HEAD, I WOULDN'T MIND PROMOTING MY CONTEMPO-RARY TO WORK ALONGSIDE ME, YOU KNOW...
HA HA HA... ♥
END OF CHAPTER 21



CHAPTER 22

MAHLER & NEUROSURGERY



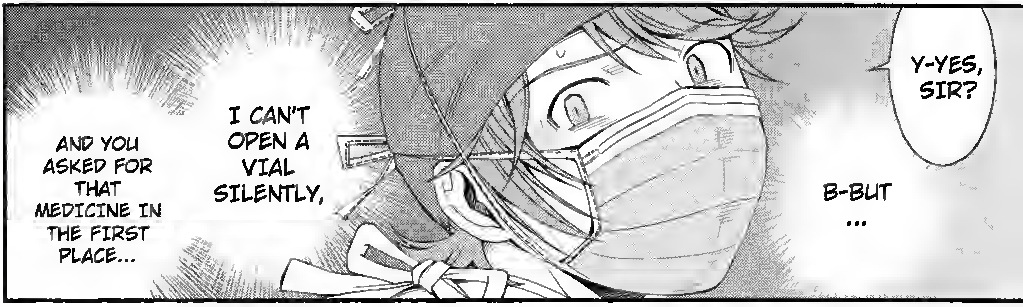


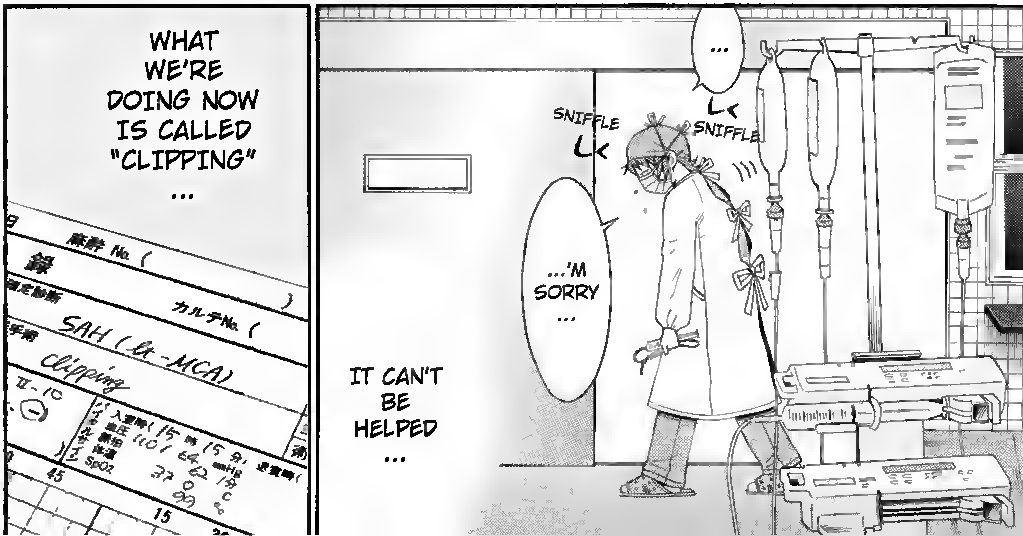
CHAPTER 22

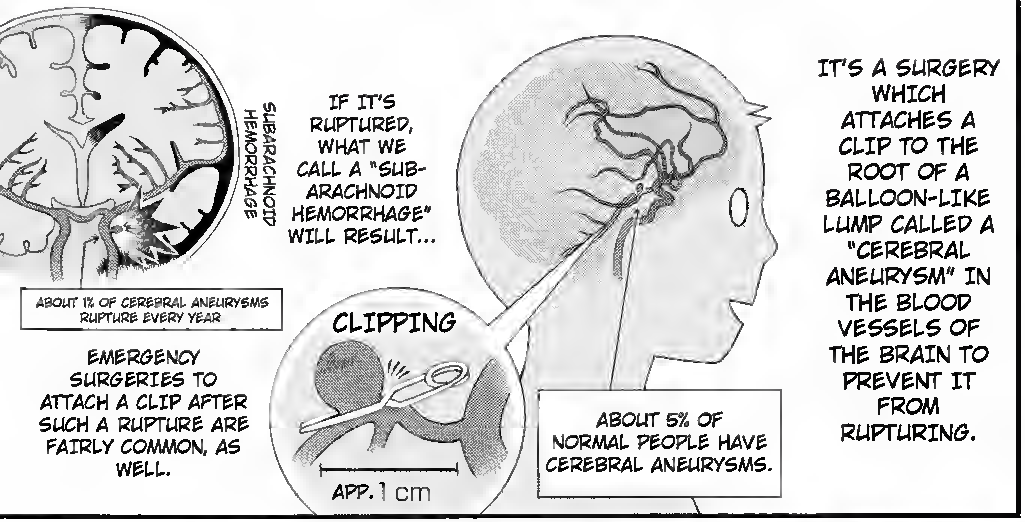
MAHLER & NEUROSURGERY

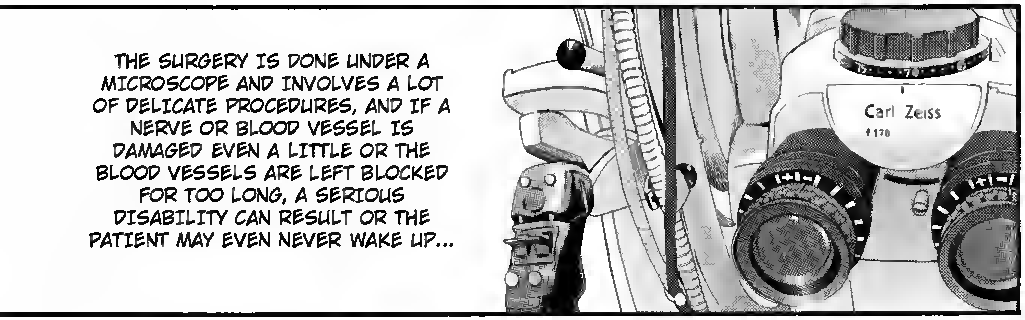
FRET
FRET
FRET
DOCTOR !!
BLOOD PRESSURE ?
...ONE MOMENT, PLEASE !!
CRAP!! HE'S GETTING INTO A BAD MOOD!!
SO, IN OTHER WORDS ...
HE WANTS ME TO KEEP IT EXACTLY AT A MAXIMUM OF 79?!
THIS IS CRAZY!
I'M OUT OF PGE1 ...
TIPTOE
TIPTOE
TIPTOE
DR. NIMURA FROM NEUROSURGERY IS A FRIENDLY, TALENTED, EXCELLENT SURGEON, BUT...
IN THE MIDDLE OF A SURGERY, HE GOES UN-BELIEV-ABLY NEUROTIC ...

...DR. HANA... I'M AT... A VERY CRUCIAL... POINT HERE...
...COULD YOU PLEASE... LET ME... CONCEN-TRATE...?
... THAT WAS LOUD ...
POP!
500mg


Y-YES, SIR?
B-BUT ...
I CAN'T OPEN A VIAL SILENTLY,
AND YOU ASKED FOR THAT MEDICINE IN THE FIRST PLACE...


WHAT WE'RE DOING NOW IS CALLED "CLIPPING" ...
SAH (Rt-ACA)
clipping
...
SNIFFLE
SNIFFLE
...'M SORRY ...
IT CAN'T BE HELPED ...


SUBARACHNOID HEMORRHAGE
IF IT'S RUPTURED, WHAT WE CALL A "SUB-ARACHNOID HEMORRHAGE" WILL RESULT...
ABOUT 1% OF CEREBRAL ANEURYSMS RUPTURE EVERY YEAR
EMERGENCY SURGERIES TO ATTACH A CLIP AFTER SUCH A RUPTURE ARE FAIRLY COMMON, AS WELL.
CLIPPING
APP. 1 cm
ABOUT 5% OF NORMAL PEOPLE HAVE CEREBRAL ANEURYSMS.
IT'S A SURGERY WHICH ATTACHES A CLIP TO THE ROOT OF A BALLOON-LIKE LUMP CALLED A "CEREBRAL ANEURYSM" IN THE BLOOD VESSELS OF THE BRAIN TO PREVENT IT FROM RUPTURING.


THE SURGERY IS DONE UNDER A MICROSCOPE AND INVOLVES A LOT OF DELICATE PROCEDURES, AND IF A NERVE OR BLOOD VESSEL IS DAMAGED EVEN A LITTLE OR THE BLOOD VESSELS ARE LEFT BLOCKED FOR TOO LONG, A SERIOUS DISABILITY CAN RESULT OR THE PATIENT MAY EVEN NEVER WAKE UP...
Carl Zeiss

CAN GET A LITTLE NEUROTIC THEMSELVES ...
THE PEOPLE WHO CARRY OUT SUCH HIGH-RISK, FIDDLY SURGICAL PROCE-DURES...

HM?
IF I MAKE ANOTHER NOISE AT THIS POINT, IT'LL BE A DISASTER ...
THAT'S ...

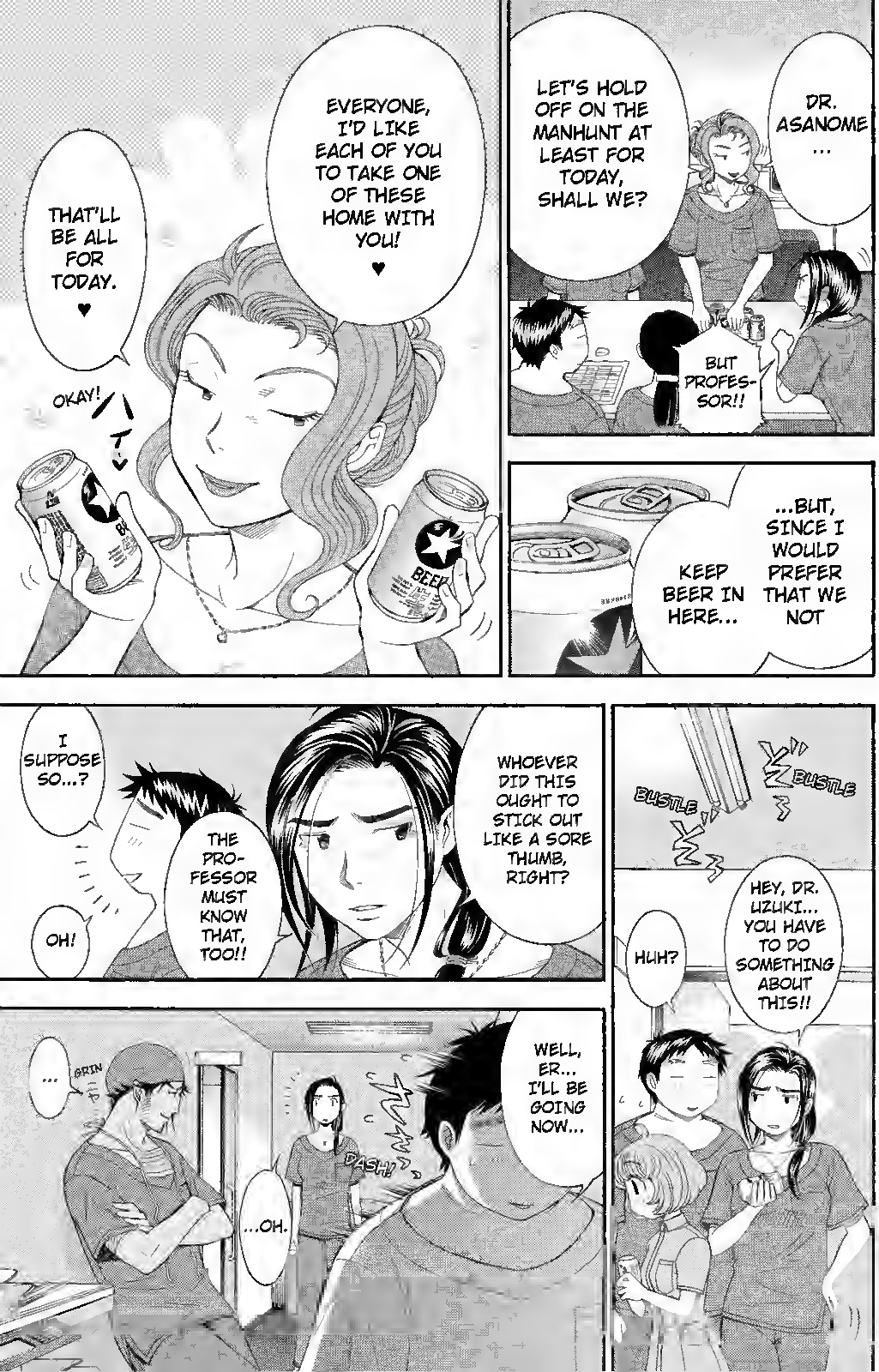
... HNGH ...!
...
OH, NO, I'M GONNA SNEEZE...

WHAT'S HE DOING HERE?
DR. HIURA !?

ばちん CLAMP
"IS THE CLIP ON YET?"
"NOPE."
"NOT EVEN CLOSE..."
"FOOD TIME..."
もぐ MUNCH もぐ
"YOU EATEN ANY-THING YET?"
ぶんぶん SHAKE
"NOPE, NOT EVEN A BITE!"
ぶんぶん SHAKE

"WANT ME TO SWITCH WITH YOU?"
TWIRL
TWIRL
"ABSOLUTELY NOT!!"
THIS IS NO TIME FOR SWITCH-ING!!
THUMP
"THE NEUROSURGEON..."
"...IS IN A HORRIBLE MOOD!!"
"...DAMN, THAT'S TOO BAD."
!
"WELL, LATER."
...
... ACK!!
EEEEEE EEEEEE EEEEEE EEEK!!
WELL ...!!
THIS IS...
UM, DOCTOR ...
HUH?
"BEHIND" ...?
GLANCE
...!! HANAOKA !!
BEHIND YOU! BEHIND YOU!!

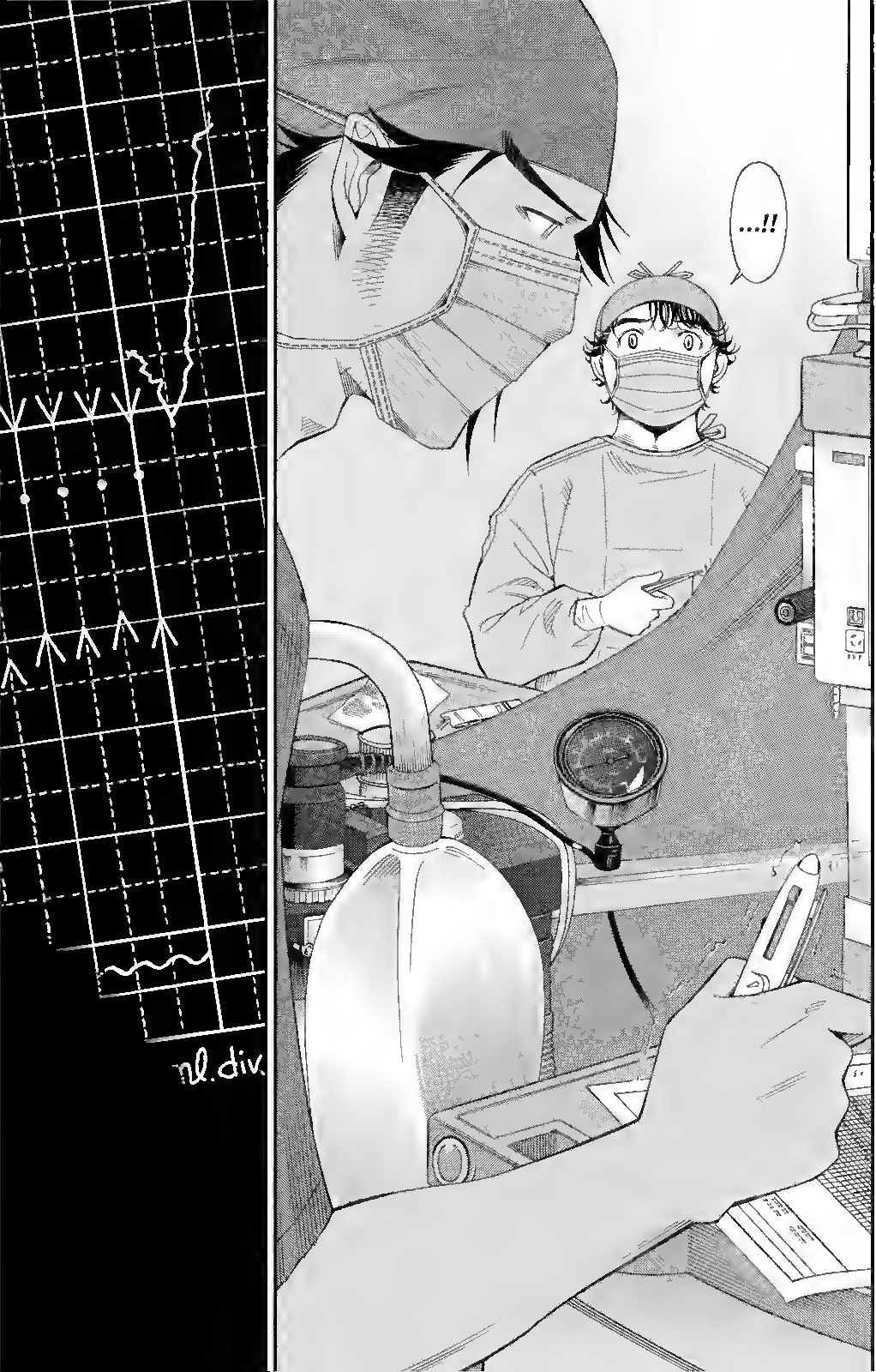
GOOD GRIEF ...
AT THIS RATE, THE NEUROSURGEONS ARE GOING TO BE THE LAST ONES LEFT ON DUTY AGAIN...
ANESTHESIOLOGISTS' BREAK ROOM
ATTENTION, EVERYONE! ♥
LEND ME YOUR EARS, PLEASE! ♥
しゃんっっ。。
TA-DAH...!
BEER
AMAZING, ISN'T IT?
HA HA HA
AS A MATTER OF FACT, I JUST DISCOVERED THESE HERE IN THIS ROOM! ♥
WHA ...!?
THESE ARE CANS OF BEER, AREN'T THEY!?
AW, CRAP.
WHO THE HELL BROUGHT THESE INTO THE BREAK ROOM!?


DR. ASANOME...
LET'S HOLD OFF ON THE MANHUNT AT LEAST FOR TODAY, SHALL WE?
BUT PROFES-SOR!!
...BUT, SINCE I WOULD PREFER THAT WE NOT KEEP BEER IN HERE...
BUSTLE
BUSTLE
HEY, DR. UZUKI... YOU HAVE TO DO SOMETHING ABOUT THIS!!
HUH?
WHOEVER DID THIS OUGHT TO STICK OUT LIKE A SORE THUMB, RIGHT?
THE PRO-FESSOR MUST KNOW THAT, TOO!!
I SUPPOSE SO...?
OH!
WELL, ER... I'LL BE GOING NOW...
DASH!
...OH.
GRIN
...
EVERYONE, I'D LIKE EACH OF YOU TO TAKE ONE OF THESE HOME WITH YOU! ♥
THAT'LL BE ALL FOR TODAY. ♥
OKAY!
BEER

...DR. HIURA.
THANKS FOR THE FREE BEER...
...
DON'T MENTION IT. ♥
...LISTEN, I DON'T GET INTO IT WHEN I'M ON THE JOB, OKAY?
WHAT ?
"SURE, I BROUGHT ALCOHOL TO WORK WITH ME!"
"BUT I DON'T DRINK WHILE I'M WORKING"... DON'T MAKE ME LAUGH!
WHAT ARE YOU SAYING? WHAT KIND OF GRADE SCHOOL EXCUSE IS THAT?
SNORT
WHO'D BELIEVE THAT KIND OF DRUNKEN BABBLE, ANYWAY!?

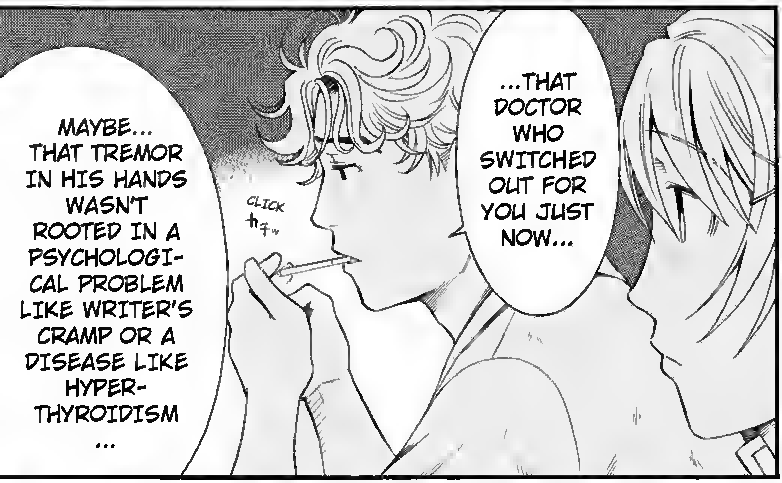
...NURSE, THE USUAL, PLEASE...
PHEW
ほっ
カチリ...
CLIP
ラ〜
DR. NIMURA SEEMS TO LIKE CLASSICAL MUSIC... BUT IT'S ALWAYS THE SAME SONG...

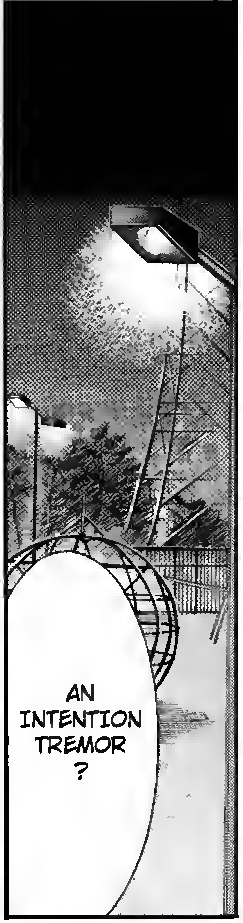
THANK YOU SO MUCH...
... DOCTOR
IT'S FINE... HURRY UP AND COME BACK...
...GEEZ. YOU CALLED, SO I THOUGHT YOU WERE DONE, BUT YOU'RE TELLING ME YOU NEED A TOILET BREAK?
HEH HEH ...
SQUIRM
SQUIRM
MAHLER'S FIFTH, HUH...?
ピンポーン
DING DONG
I'LL BE CLOSING UP AND FINISHING NOW, SO...
THANKS FOR STICKING WITH THIS FOR SUCH A LONG TIME...
WELL THEN, DOCTOR ...

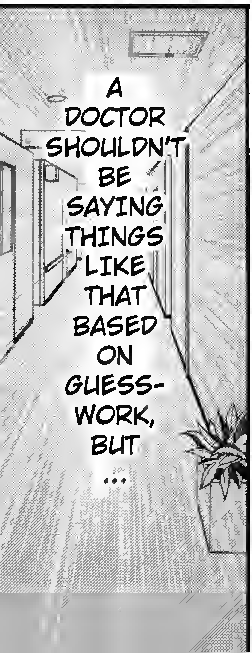


NOOOOOOOO!!
WHAT IS THIS!?
WHAT IS THIS!?
M-MY BEAUTIFUL ANESTHESIA CHARTS ARE TOTALLY TRASHED!!
TREMBLE
TREMBLE
I SPENT SIX HOURS SLAVING OVER THESE!
GEEZ!
IT DOESN'T MATTER, AS LONG AS YOU CAN READ 'EM!!
...THEY'RE RUINED...
SNIFF
OH...
...AW, MAN... IT'S TOO LATE TO FIX IT NOW...
DR. HANA, WAIT A MINUTE!!
HUH?

FROM THE STANDPOINT OF SOMEONE WHO NEEDS AN ANESTHE-SIOLOGIST, I CAN'T TURN A BLIND EYE, SO...WELL...
I DON'T LIKE TALKING ABOUT OTHER DEPARTMENTS, IT FEELS LIKE POKING MY NOSE INTO OTHER PEOPLE'S BUSINESS, BUT...
WELL ...
... WHAT'S THAT?

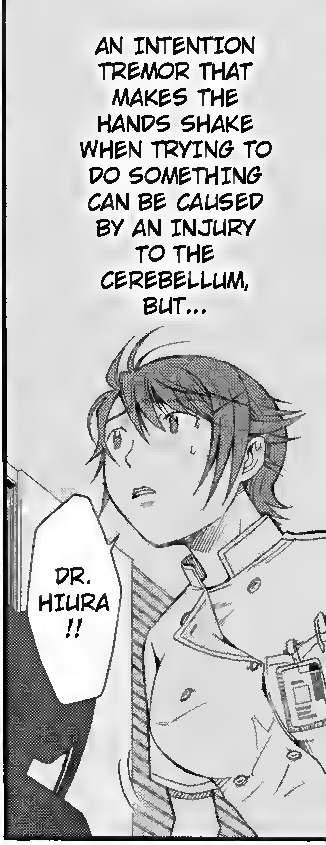

MAYBE... THAT TREMOR IN HIS HANDS WASN'T ROOTED IN A PSYCHOLOGI-CAL PROBLEM LIKE WRITER'S CRAMP OR A DISEASE LIKE HYPER-THYROIDISM ...
CLICK
...THAT DOCTOR WHO SWITCHED OUT FOR YOU JUST NOW...

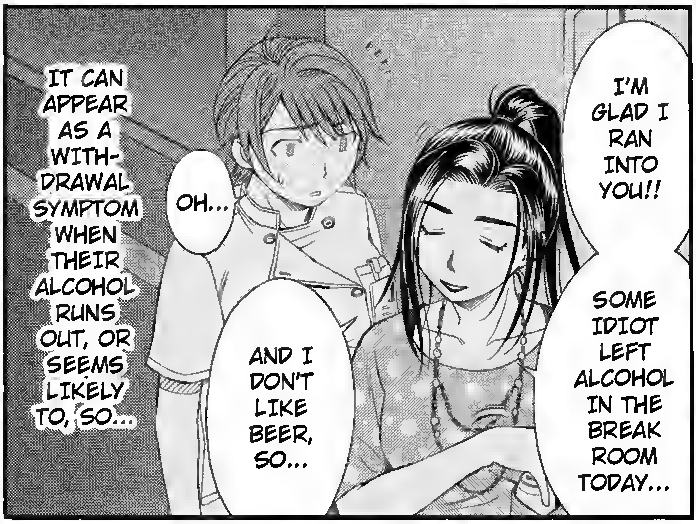

AN INTENTION TREMOR ?


A DOCTOR SHOULDN'T BE SAYING THINGS LIKE THAT BASED ON GUESS-WORK, BUT ...

...I THINK IT MIGHT HAVE BEEN ALCOHOL DEPENDENCE ...

AH!!
ASA-NOME!!
HANA ?
IT CAN BE CAUSED BY AN ALCOHOL DEPEN-DENCY, TOO ...


AN INTENTION TREMOR THAT MAKES THE HANDS SHAKE WHEN TRYING TO DO SOMETHING CAN BE CAUSED BY AN INJURY TO THE CEREBELLUM, BUT...
DR. HIURA !!

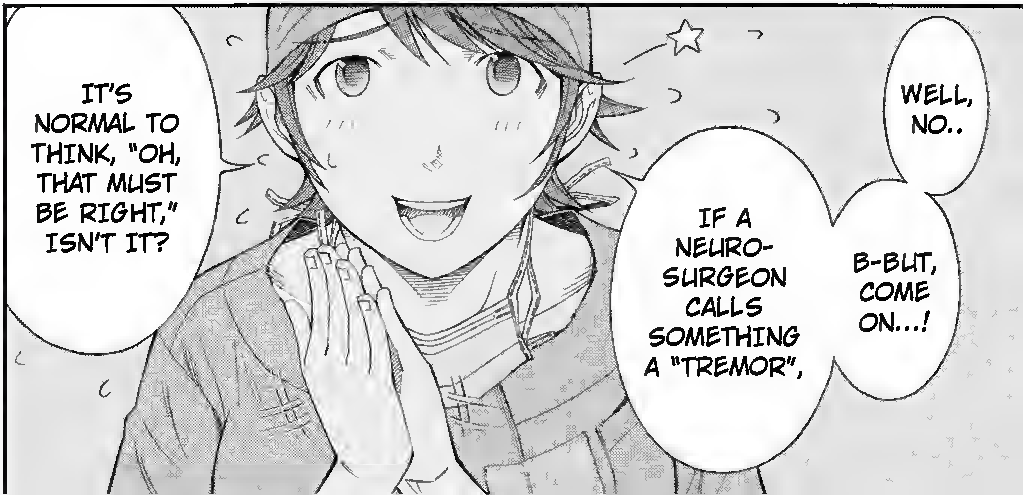

IT CAN APPEAR AS A WITH-DRAWAL SYMPTOM WHEN THEIR ALCOHOL RUNS OUT, OR SEEMS LIKELY TO, SO...
OH...
AND I DON'T LIKE BEER, SO...
I'M GLAD I RAN INTO YOU!!
SOME IDIOT LEFT ALCOHOL IN THE BREAK ROOM TODAY...

YOU OUGHT TO KEEP A CLOSE EYE ON THAT DOCTOR ...!!
O-OH ...
HERE! YOU CAN HAVE THIS...

DR. HIURA !!
PANT
...
DOCT OR?
HANAOKA, YOU'RE LATE!!
DID YOU GET SIDE-TRACKED AGAIN!?
WE'VE GOT AN EMER-GENCY C-SEC-TION !!
QUICK, HELP ME OUT HERE!!
OH !
HE'S WRITING ... LEGIBLY !!

TELL ME WHAT'S GOING ON !!
EEK!
HEY!!
HE DOESN'T SMELL LIKE BOOZE ...?
SNIFF
SNIFF
SNIFF
WHAT THE HELL IS THIS, ALL OF A SUDDEN! ?
PLUS ...
SNIFF

HANAOKA... YOU TRUSTED THAT MAHLER NUT MORE THAN YOU TRUST ME?
SO...
I SEE ...

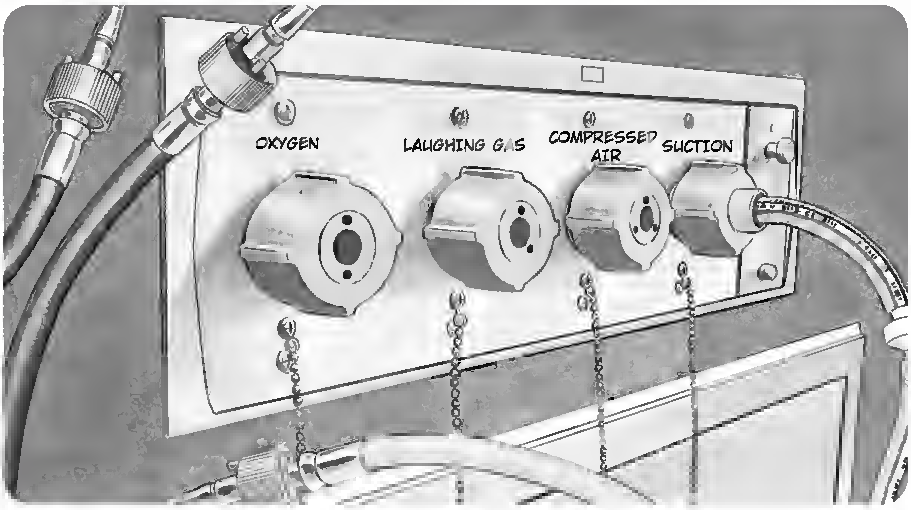

IT'S NORMAL TO THINK, "OH, THAT MUST BE RIGHT," ISN'T IT?
IF A NEURO-SURGEON CALLS SOMETHING A "TREMOR",
B-BUT, COME ON...!
WELL, NO..

SAY WHAT!?
A-!
AND!
DOCTOR, YOU DO DRINK A LOT, ALL THE TIME!!
PLUS,
YOU COULDN'T FILL IT OUT ...
THAT CHART FROM EARLIER ...
I WAS WORRIED ...
I MEAN...
DR. HIURA ...

YOU'RE MY MENTOR ...
THAT WAS ...
JUST ME LOSING MY TEMPER WITH THAT ROTTEN CLASSICAL MUSIC HE HAD PLAYING ...
WHAT AN IDIOT ...
TSK
GEEZ, THAT MAHLER GUY HAS SOME ISSUES, TOO...
IF YOU WANT WEIRD, JUST LOOK AT A COMPOSER !!
...DR. HIURA.

IT'S OKAY FOR ME TO BELIEVE IN YOU AND FOLLOW YOU, RIGHT?
YEAH ...
THAT'S RIGHT, HANA-OKA...
KEEP FOLLOW-ING RIGHT AFTER ME AS AN ANESTHE-SIOLO-GIST, JUST LIKE YOU HAVE BEEN...
AND THEN SURPASS ME!!
OKAY, THEN, I'M GONNA GO MEET WITH THE PATIENT!!

LABEL: DISINFECTANT ETHANOL WIPE



PIN INDEX SYSTEM

WHEN OXYGEN OR OTHER MEDICAL GASES ARE USED IN HOSPITALS, GAS CANISTERS OR WALL AND CEILING MOUNTED GAS OUTLETS (PLUMBED TERMINALS) ARE USED. THESE GAS OUTLETS ARE PART OF THE CENTRAL PIPING SYSTEM AND USE PIPES CONNECTED TO LARGE GAS TANKS IN THE HOSPITAL GROUNDS TO DISTRIBUTE THE GAS TO VARIOUS PLACES AROUND THE HOSPITAL.

WHEN THE GAS SUPPLY HOSES ARE CONNECTED, IN ORDER TO ENSURE THAT THE OXYGEN HOSE CAN ONLY BE CONNECTED TO THE OXYGEN SUPPLY OUTLET, EACH GAS USES A KEY-LIKE PIN. IF SOMEONE WANTED TO USE OXYGEN BUT USED LAUGHING GAS BY MISTAKE, THE PATIENTS LIFE MAY BE AT RISK.

THE WORLDWIDE "PIN INDEX SAFETY SYSTEM" WAS CREATED TO PREVENT THESE KINDS OF CONNECTION MISTAKES FROM OCCURRING.

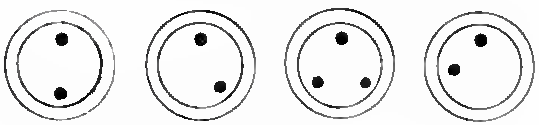
"THERE WAS A MISTAKE WHEN THE PLUMBING WAS BUILT!"
"GAS WAS PUT IN THE WRONG TANK!"

SINCE THESE KINDS OF SAD INCIDENTS HAVE OCCURRED IN THE PAST, PLEASE REMEMBER THAT THIS SYSTEM CANNOT COMPLETELY ELIMINATE SUCH PROBLEMS.
ALSO, EVEN IF ONLY TO CAUSE A SLIGHT REDUCTION IN THE OCCURRENCE OF SUCH INCIDENTS, THE HOSES AND OUTLETS ARE COLOR-CODED BUT THIS IS NOT THE SAME IN EVERY COUNTRY, SO IT MIGHT BE INTERESTING IF YOU PAY ATTENTION TO THIS WHEN WATCHING FOREIGN MEDICAL DRAMAS!

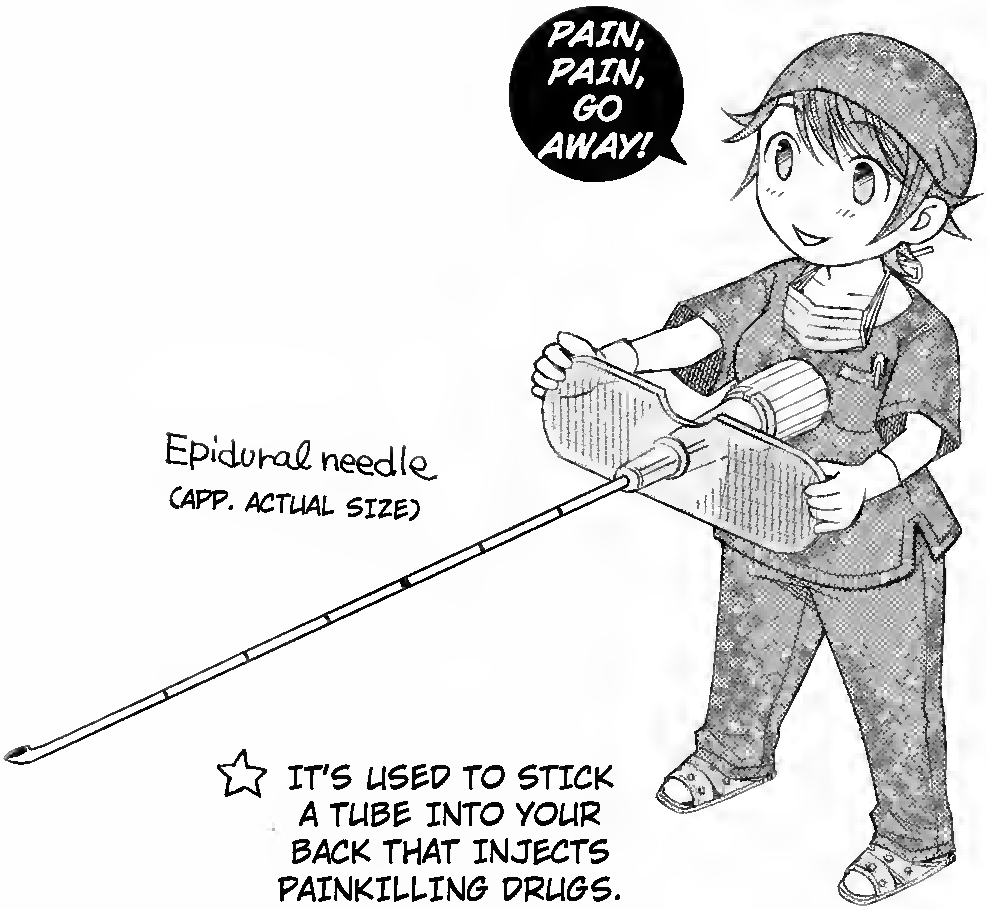
COLOR-CODING USED IN JAPAN

OXYGEN = GREEN
LAUGHING GAS (NITROUS OXIDE) = BLUE
AIR = YELLOW
SUCTION = BLACK
CARBON DIOXIDE = ORANGE

THE COLORS ARE DIFFERENT FOR CANISTERS, SO BE CAREFUL!



OXYGEN LAUGHING GAS AIR SUCTION


PAIN, PAIN, GO AWAY!
Epidural needle
(APP. ACTUAL SIZE)
IT'S USED TO STICK A TUBE INTO YOUR BACK THAT INJECTS PAINKILLING DRUGS.

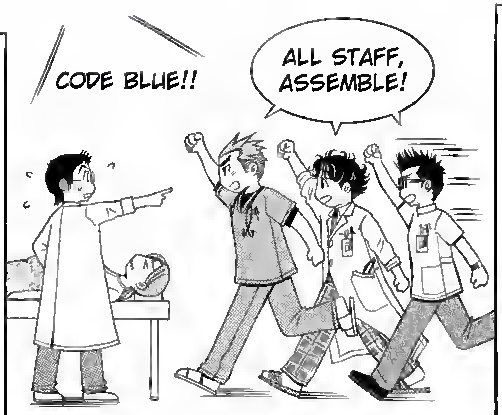
ピンポンパンポーン
DING-DANG-DONNNG!
PAGING DR. AOI, PAGING DR. AOI.
I'LL GO, I'LL GO, I'LL GO! ♥
NO WAY, REALLY? ♥
WELL, IF YOU'RE FREE, ALL THE DOCTORS IN OUR YEAR ARE GOING OUT FOR SOMETHING TO EAT, SO...WANT TO COME?
YOU DON'T HAVE ANY PROCEDURES ON SATURDAY, RIGHT?
PLEASE REPORT IMMEDIATELY TO THE FIRST FLOOR GENERAL CAFETERIA.
HEY, HANA!! ARE YOU FREE THIS SATURDAY?
HM?

I REPEAT. PAGING DR. AOI, PAGING DR. AOI...
AH...
"AOI"? DO WE HAVE A DR. AOI HERE?
?
SHIHO ... THIS PAGE ...!?
NO, NO!! "AOI" MEANS "BLUE"! THIS IS... ONE OF THOSE!!
YOU KNOW !!
...OH!
WHISPER
I SEE... SO YOU MEAN, THIS COULD BE...

CHAPTER 23

CODE BLUE, PART 1

A "CODE BLUE" IS A STAT CALL USED IN A MEDICAL FACILITY WHICH INDICATES THAT A PATIENT'S CONDITION HAS TAKEN A SUDDEN TURN FOR THE WORSE. IT'S A SIGNAL FOR ALL STAFF TO ASSEMBLE.

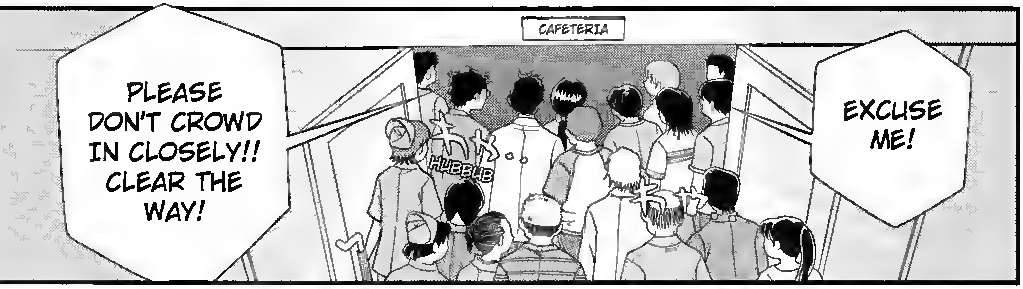


WHEN A CODE IS CALLED, ALL UNOCCUPIED DOCTORS RUSH TO THE SCENE TO ASSIST, REGARDLESS OF SPECIALTY. (IN SOME CASES, A PARTICULAR SPECIALTY MAY BE REQUESTED.)

OTHER COLOR CODES (THEY OFTEN VARY BY HOSPITAL)

CODE YELLOW:	MONSTER (CRAMER) PATIENT
CODE RED:	OUTBREAK OF FIRE / VIOLENT PATIENT
CODE GOLD:	ORGAN DONOR
CODE BLACK	TERRORIST / BOMB THREAT (LOCKDOWN)

IT WAS ORIGINALLY A SECRET TERM MEANT TO PREVENT UNEASE AMONG THE PATIENTS, BUT SINCE THE TERM HAS BECOME VERY FAMOUS DUE TO SOAP OPERAS AND SO ON, MANY FACILITIES NOW USE TERMS OTHER THAN "CODE BLUE".



YES, SIR!!
AND DON'T FORGET MCGILL FORCEPS AND OXYGEN! DON'T KEEP ME WAITING, BRING THEM STAT!

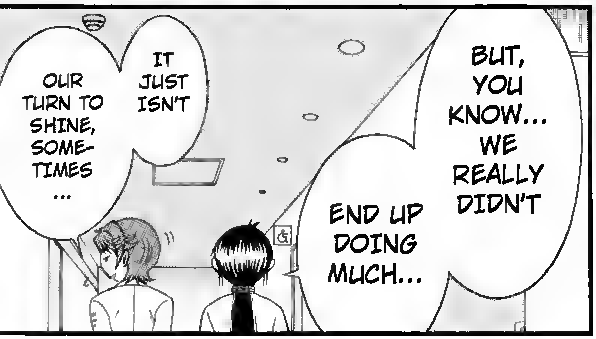
WHAT ON EARTH WAS THE PATIENT EATING WHEN THE CHOKING STARTED?
I DON'T SEE ANYTHING IN THE MOUTH AT THE MOMENT, BUT...

HE CHOKED... SO WE CALLED FOR A DOCTOR RIGHT AWAY... AND HE TRIED THUMPING HIS BACK, BUT THAT DIDN'T WORK, SO HE TRIED TO GET AT IT WITH HIS FINGER...
OH...!! IT WAS A CHERRY TOMATO!
SO, HE PUSHED IT IN FURTHER AND IT'S CHOKING HIM...
IF WE'RE LUCKY AND IT'S REALLY SHOVED IN THERE, IT MIGHT BE WORTH TRYING SOMETHING BEFORE WE STICK A TUBE IN HIS THROAT...

EXCUSE ME FOR A MINUTE, GRAMPS ...
SHUFFLE
PLEASE, LET THIS WORK ...!!
GRIP
GET OUTTA THERE!!
YOU CHERRY TOMATO !!
WHUMP!

POP!
ぽてっ..
WOW!
WOOW!
COUGH
ケホ
COUGH
ケホッ
パチ CLAP
パチ CLAP
CLAP パチ
...I'VE NEVER SEEN A CASE RESOLVED WITH A HEIMLICH MANEUVER BEFORE...
...
パチ CLAP
パチ CLAP
パチ CLAP
キャッ♥ OOH!
THAT WAS AMAZING! THE EMTS ARE SO COOOOL! ♥
!
HANAKO! ♥
...AH!
DID YOU... FALL FOR ME ALL OVER AGAIN, JUST A LITTLE?
HOW ABOUT THAT, JUST NOW !?
...NO!! I NEVER "FELL FOR YOU" IN THE FIRST PLACE...

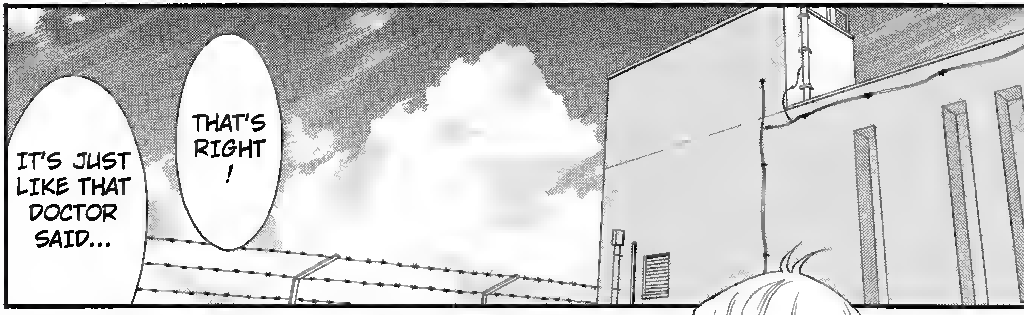
IT'S LUCKY THE OLD GUY WAS LIGHT ENOUGH TO CARRY!
OOH!
あぁ
OF COURSE, I'D RATHER BE CARRYING A YOUNG LADY FROM BEHIND...
LET'S GO, SHIHO ...
HUH ?
CAN WE ?


BUT, YOU KNOW... WE REALLY DIDN'T END UP DOING MUCH...
IT JUST ISN'T OUR TURN TO SHINE, SOME-TIMES ...

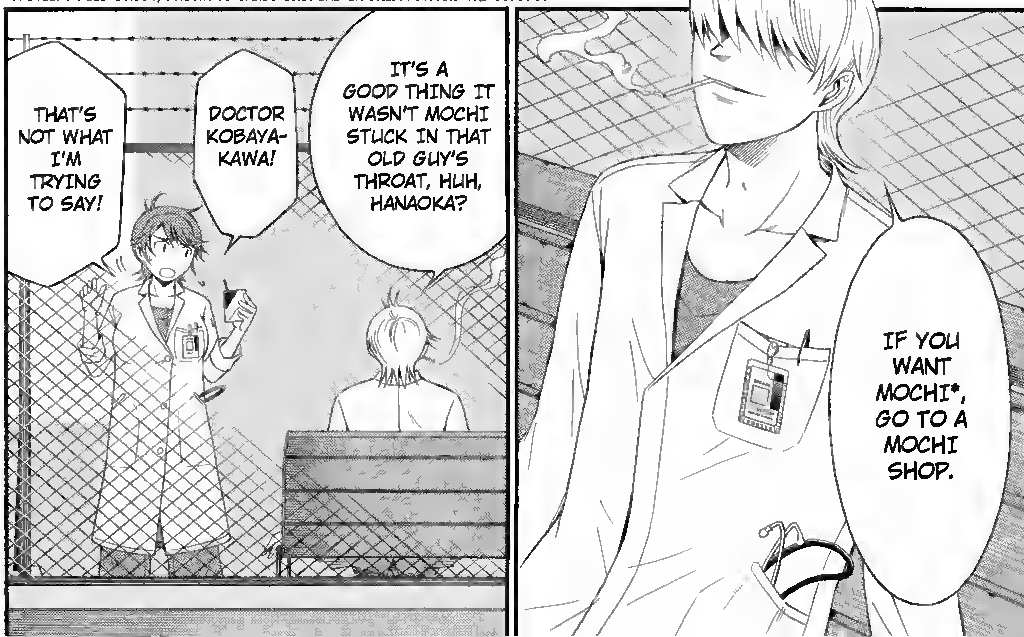
NO DICE ?
HEY, HANA !!
IS THAT DOCTOR A FRIEND OF YOURS !?
COULD YOU INTRO-DUCE ME SOME-TIME?
...YOU REALLY DON'T WANT ME TO DO THAT...
TRUST ME...

...I JUST HOPE I GET THE CHANCE, SOME-DAY!!
...OH, REALLY ?

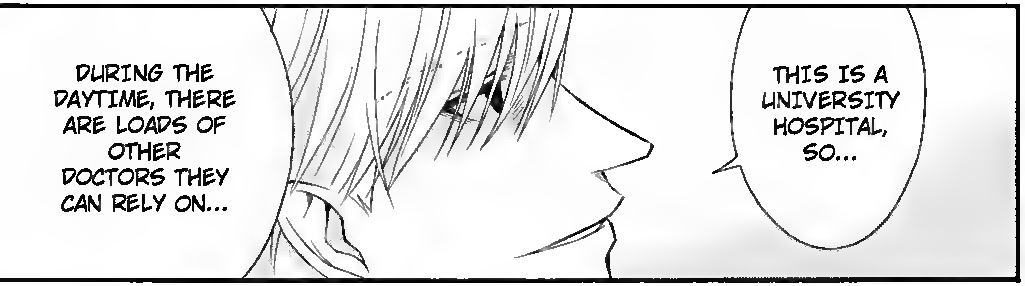
I'D BE USELESS IN A SITUATION LIKE THAT ...
BUT I THINK I'D LIKE TO BE THE BEST THAT I CAN IN MY OWN FIELD...
WE ALL HAVE THINGS THAT WE'RE GOOD OR BAD AT IN VARIOUS DEPART-MENTS.
DO YOUR BEST IN THE FIELD WHERE YOU EXCEL!!
... OKAY ...
SEE YOU THIS WEEKEND

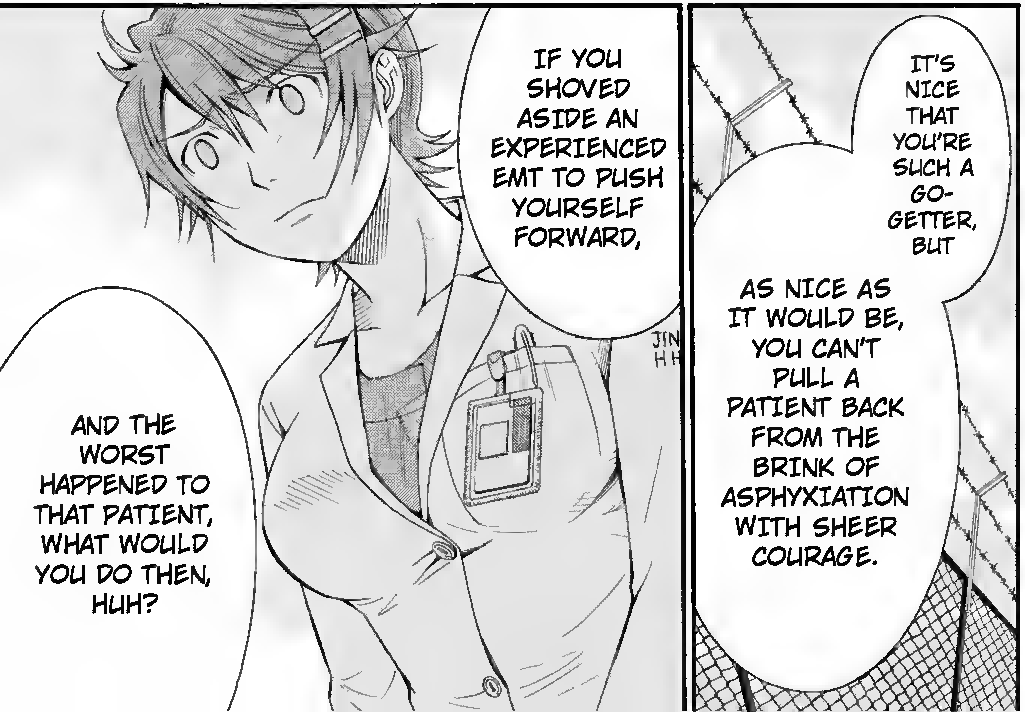


*A STICKY RICE SWEET, KNOWN TO CAUSE CHOKING IN CHILDREN AND THE ELDERLY


IF YOU WANT MOCHI*, GO TO A MOCHI SHOP.
IT'S A GOOD THING IT WASN'T MOCHI STUCK IN THAT OLD GUY'S THROAT, HUH, HANAOKA?
DOCTOR KOBAYA-KAWA!
THAT'S NOT WHAT I'M TRYING TO SAY!

YOU WEREN'T BUSY, DOCTOR, BUT YOU DIDN'T EVEN COME! YOU'RE WORSE THAN A BYSTANDER! WHAT KIND OF SORRY EXCUSE FOR A DOCTOR ARE YOU!?
THIS IS WHY PEOPLE CALL YOU A COWARD!
... YOU'RE ALWAYS SUCH A HARDASS, HANAOKA ...
AN ANESTHESIOLOGIST OUGHT TO BE ABLE TO DO SOMETHING ABOUT A FOREIGN BODY IN THE AIRWAY, RIGHT!?
IT REALLY BUGS ME THAT I WAS JUST ANOTHER BYSTANDER !!
SPLASH


THIS IS A UNIVERSITY HOSPITAL, SO...
DURING THE DAYTIME, THERE ARE LOADS OF OTHER DOCTORS THEY CAN RELY ON...

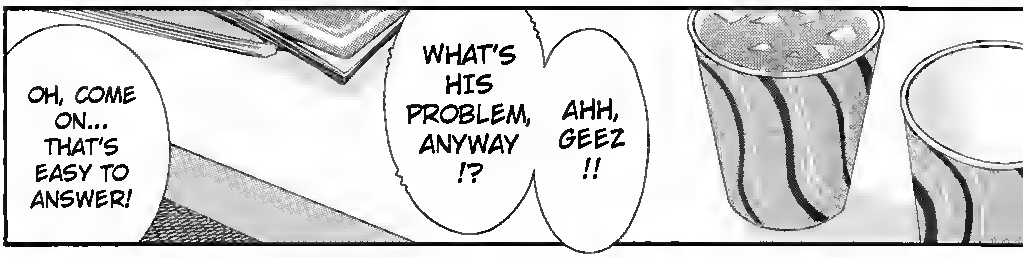

IT'S NICE THAT YOU'RE SUCH A GO-GETTER, BUT
AS NICE AS IT WOULD BE, YOU CAN'T PULL A PATIENT BACK FROM THE BRINK OF ASPHYXIATION WITH SHEER COURAGE.
IF YOU SHOVED ASIDE AN EXPERIENCED EMT TO PUSH YOURSELF FORWARD,
AND THE WORST HAPPENED TO THAT PATIENT, WHAT WOULD YOU DO THEN, HUH?

HUMAN BEINGS ARE NEVER THAT PERFECT, I'M AFRAID ...
WELL, IF YOU COULD DO THAT, YOU'D HAVE NO TROUBLE, BUT...
HAHA...
はは
...I JUST WOULDN'T FAIL...!

AND THAT'S ...
ONE WAY FOR US TO MAKE SURE WE NEVER FAIL.
THERE'S ONLY ...
WHICH MEANS ...

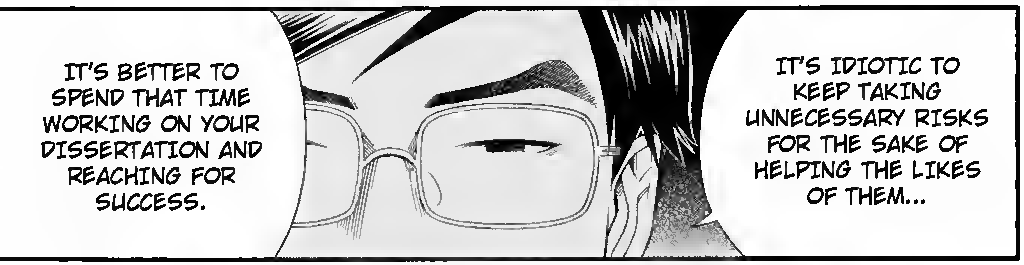
TO DO NOTHING AT ALL...
...!
...DOCTOR, ARE YOU MAKING FUN OF ME?
...NO... BUT I DON'T THINK I'M WRONG...
W-WELL, NO, YOU'RE NOT, BUT...
THAT WOULD MEAN THAT DOCTORS CAN'T DO ANYTHING FOR THEIR PATIENTS, WOULDN'T IT?!
WELL, YEAH?
IF YOU NEVER WANT TO LOSE A SINGLE PATIENT WHO DEPENDS ON YOU,
YOU CAN'T DO ANYTHING ...
BUT IF YOU DON'T DO SOMETHING, YOU CAN'T SAVE YOUR PATIENTS, RIGHT?

...
...WELL, WHAT DO YOU THINK? HANAOKA ...
I WON-DER ...
...WELL, THEN, WHAT ON EARTH SHOULD WE DOCTORS DO?


OH, COME ON... THAT'S EASY TO ANSWER!
WHAT'S HIS PROBLEM, ANYWAY !?
AHH, GEEZ !!

IT'S CUT-AND-DRIED LOGIC, REALLY.
WE DOCTORS JUST DO OUR DUTY, RIGHT? IF WE GET AN ORDER FROM ABOVE, ALL WE HAVE TO DO FOR NOW IS FOLLOW IT!!
IF SOMEONE TELLS YOU TO DO SOMETHING, DO IT!
IF YOU DON'T HAVE TO DO SOMETHING, THEN DON'T!

WELL, YES! IT WOULD BE NICE TO LIVE IN AN ERA WHEN PATIENTS APPRECIATED YOU NO MATTER WHAT YOU DID AND CALLED YOU A GREAT DOCTOR,
BUT THESE PATIENTS TODAY, MY GOD!! NO MATTER HOW HARD YOU BUST YOUR ASS FOR THEM, ALL YOU EVER GET IS "YOU MURDERER!" AND "I'M GONNA SUE!"
SH-
SHORT END OF THE STICK !?
BUT IF YOU KEEP STICKING YOUR NECK OUT LIKE THAT, YOU'LL ALWAYS GET THE SHORT END OF THE STICK...
YOU REALLY ARE A MORON ...


IT'S BETTER TO SPEND THAT TIME WORKING ON YOUR DISSERTATION AND REACHING FOR SUCCESS.
IT'S IDIOTIC TO KEEP TAKING UNNECESSARY RISKS FOR THE SAKE OF HELPING THE LIKES OF THEM...

GO STUDY OR SOME-THING.
ANYWAY, SHOULD YOU REALLY BE THINKING ABOUT SUCH TRIFLING MATTERS NOW...?
HERE ...
THUMP
OOF ...
WAKAMIYA... THANKS FOR SHARING THAT ALMOST REFRESHINGLY HORRIBLE POINT OF VIEW...
OH, THERE'S NO NEED TO THANK ME.

HEY, NOW... WHAT HAVE YOU BEEN DOING AT ALL OF OUR STUDY MEETINGS!?
I'M IN CHARGE OF NEXT WEEK'S... WHO'S GOT TOMORROW'S?
I THINK I'M GONNA HURL!!
EWWW! THIS IS ALL IN ENGLISH !!
...HM?
IT'S ME...
...OH.
I TOTALLY FORGOT
TO PREPARE ...
A-GH
I'M TOO BUSY THIS WEEK ...
EVEN IF I PULL AN ALL-NIGHTER, I'LL NEVER FINISH!
WELL, DOESN'T LOOK LIKE THE COMPUTER'S GONNA BE FREE TONIGHT, HUH...
HOW DO THOSE IDIOTS EXPECT US TO HAVE ANY ENERGY LEFT TO STUDY WHEN WE'RE WORKING ALL THE TIME FROM MORNING TILL NIGHT!?
TYPE
TYPE
TYPE

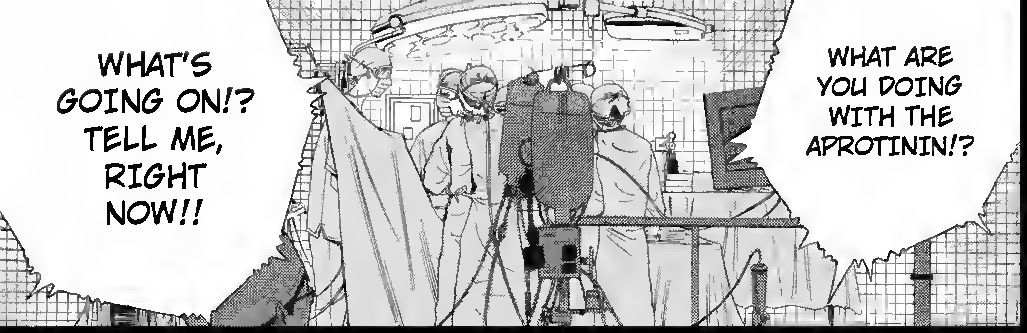
WELL, GOOD LUCK, HANAOKA ...!
HUH ?
DR. KOBAYA-KAWA, YOU'RE GOING HOME!?
CLATTER
ガタン
NOOO! DON'T LEAVE ME HERE TO STUDY ALOOOONE!!
DOCTOR, PLEASE, HELP ME OUT HERE!
NO WAY ...
WELL, THEN JUST KEEP ME COMPANY, WOULD YOU?
WHAT'S THAT SUPPOSED TO MEAN ...?
GUNT

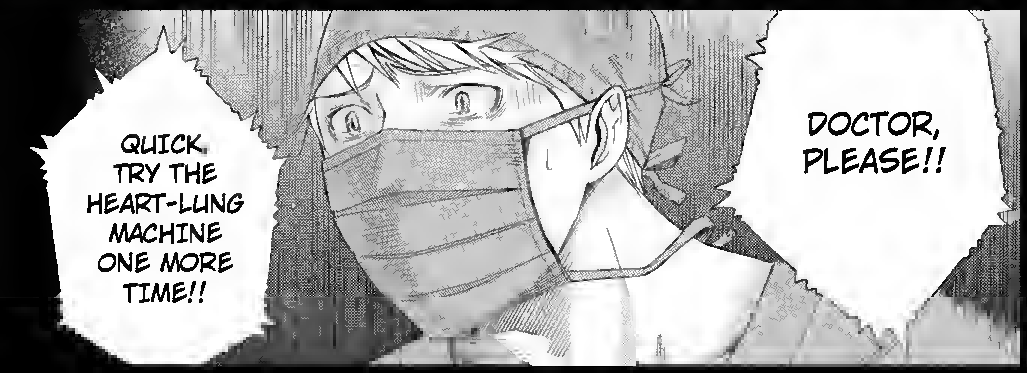
DING! DANG!
ピーポンパーン
DOOONG!
ポーン
PAGING DR. AOI, PAGING DR. AOI.
PLEASE REPORT IMMEDIATELY TO THE FIFTH FLOOR PEDIATRICS WARD.
AH ...
I REPEAT ...

PAGING DR. AOI, PAGING DR. AOI.
PLEASE REPORT IMMEDIATELY TO THE FIFTH FLOOR PEDIATRICS WARD...
DR. KOBAYA-KAWA!!
THEY'RE CALLING US!!
WE HAVE TO GO!!
TUG
DOC ... TOR ...

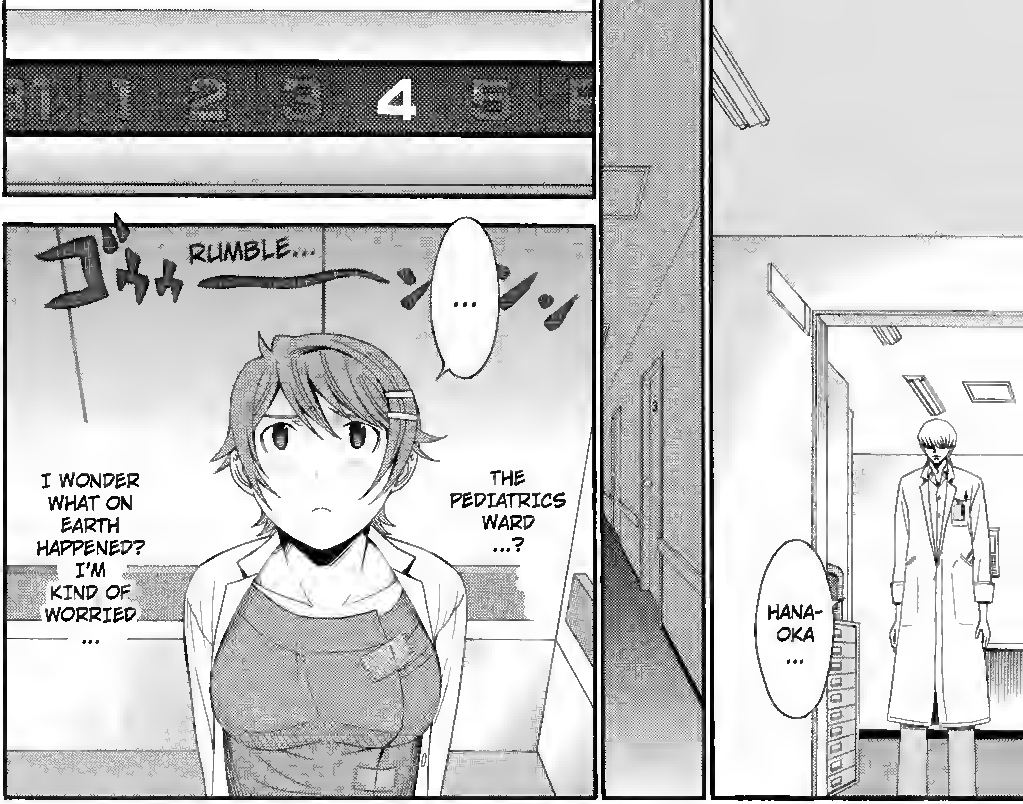
MAYBE I DO... STICK MY NECK OUT TOO MUCH...
...
BUT,
THAT'S WHAT IT MEANS
TO BE A DOCTOR IN THE FIRST PLACE, ISN'T IT?
...
DASH!

GASP
WHAT ARE YOU DOING !?
チッ TSK
YOU CAN'T PULL THE IV ACCESS YET!!
PLEASE, JUST ONCE MORE !!
DOCTOR!! QUICK, HE NEEDS CARDIAC MASSAGE !!


WHAT'S GOING ON!? TELL ME, RIGHT NOW!!
WHAT ARE YOU DOING WITH THE APROTININ!?

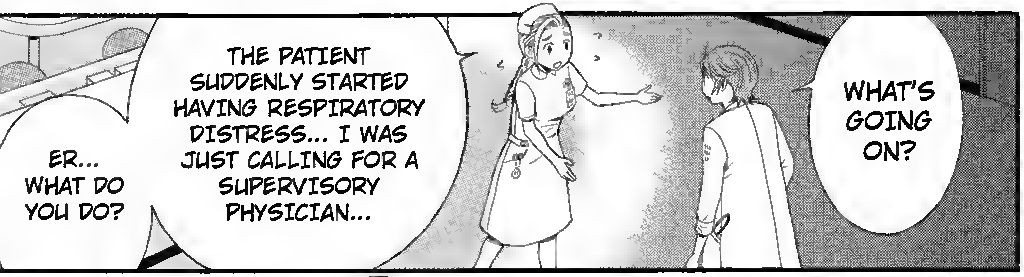

QUICK, TRY THE HEART-LUNG MACHINE ONE MORE TIME!!
DOCTOR, PLEASE!!

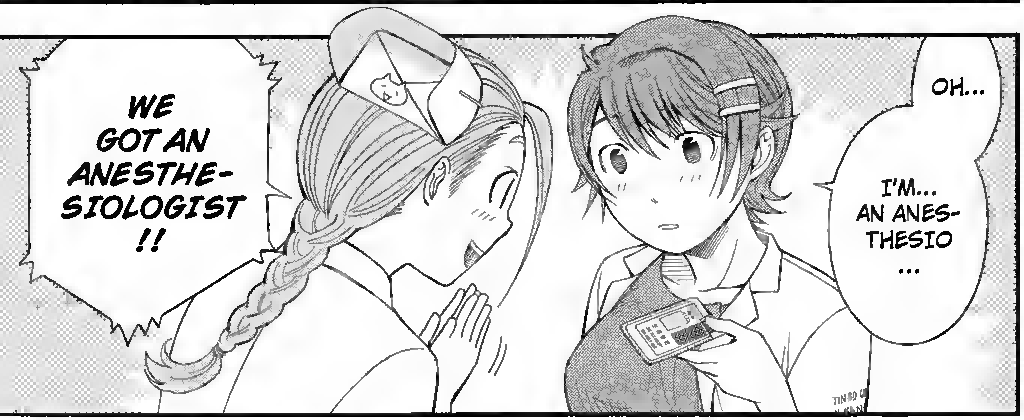
I JUST
WOULDN'T FAIL!!
WHO'D HAVE THOUGHT EVEN I COULD SCREW UP SOMETIMES ...?
HEY, ARE YOU REALLY GOING TO BE ALL RIGHT ALONE? KOBAYA-KAWA?
ITX
CHUCKLE

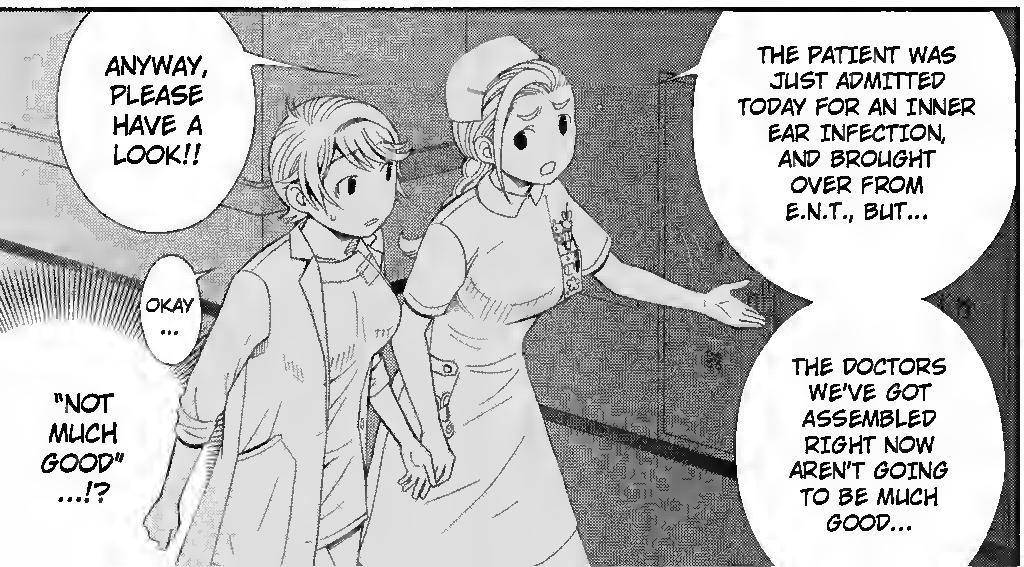

4
RUMBLE...
...
I WONDER WHAT ON EARTH HAPPENED? I'M KIND OF WORRIED ...
THE PEDIATRICS WARD ...?
HANA-OKA ...

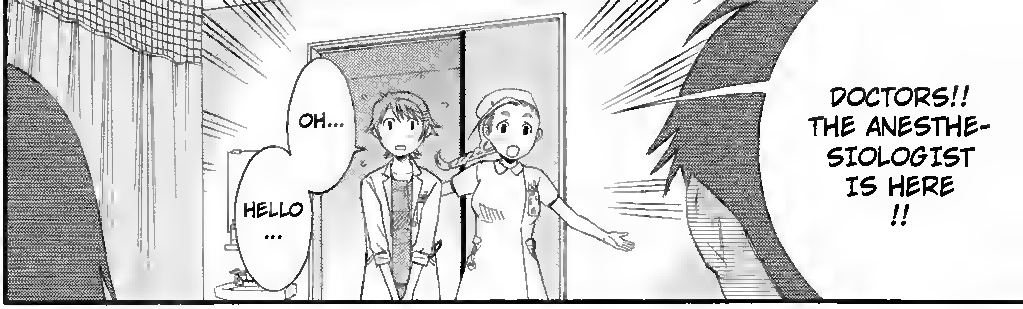
...MAYBE I WON'T HAVE TO DO ANYTHING, LIKE THIS AFTERNOON ...
BUT, IF THEY CALL A CODE BLUE, OF COURSE I HAVE TO GO...
チ・ DING!
ドキ BA-DUMP
ドキ BA-DUMP
ドキ BA-DUMP
JINBO UNIV. H.HANAOKA M.D.

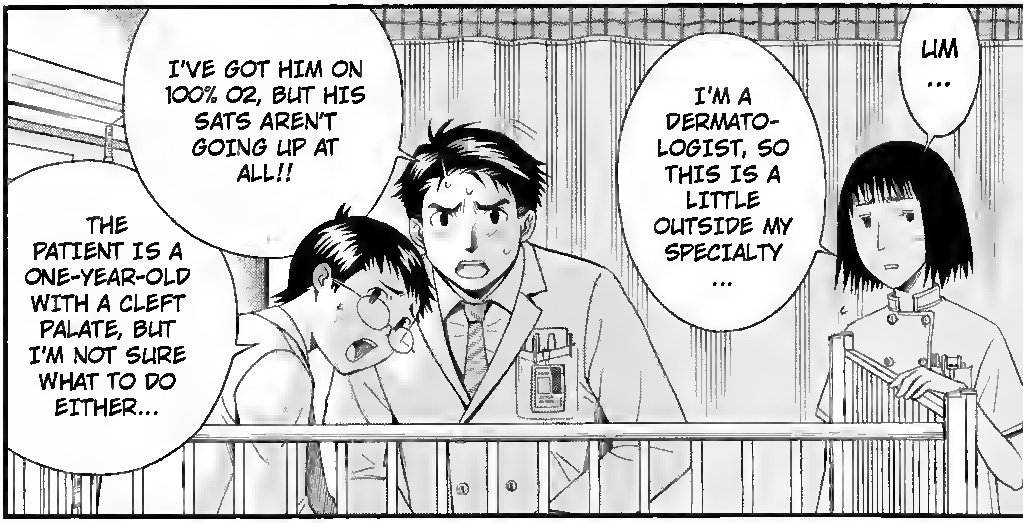
IF ALL THE ASSEMBLED STAFF WORK TOGETHER, IT'S SURE TO BE ALL RIGHT!!
AH!!
DOCTOR !!


WHAT'S GOING ON?
THE PATIENT SUDDENLY STARTED HAVING RESPIRATORY DISTRESS... I WAS JUST CALLING FOR A SUPERVISORY PHYSICIAN...
ER... WHAT DO YOU DO?

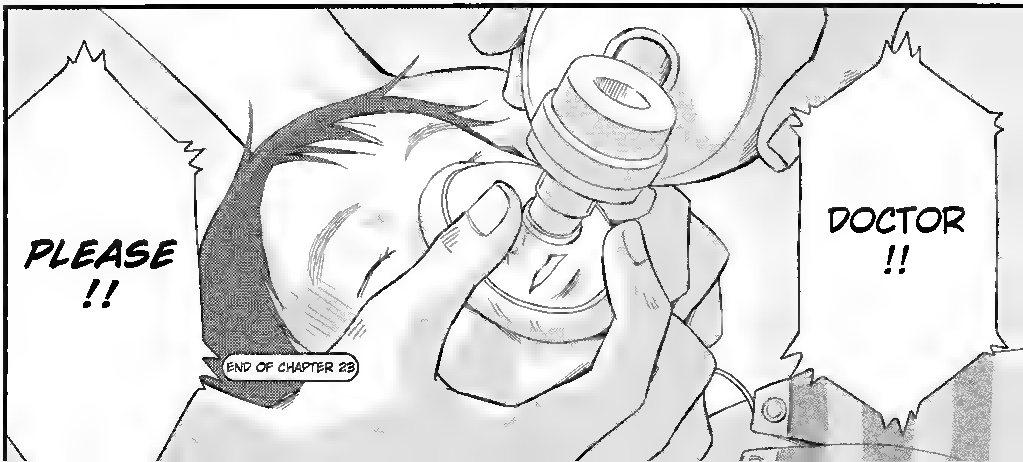

OH...
I'M... AN ANES-THESIO ...
WE GOT AN ANESTHE-SIOLOGIST !!


THE PATIENT WAS JUST ADMITTED TODAY FOR AN INNER EAR INFECTION, AND BROUGHT OVER FROM E.N.T., BUT...
THE DOCTORS WE'VE GOT ASSEMBLED RIGHT NOW AREN'T GOING TO BE MUCH GOOD...
ANYWAY, PLEASE HAVE A LOOK!!
OKAY ...
"NOT MUCH GOOD" ...!?

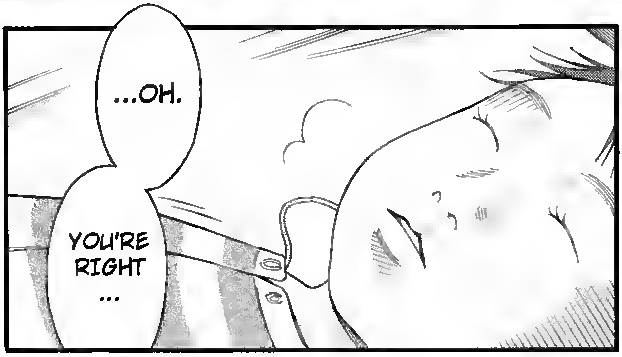

DOCTORS!! THE ANESTHE-SIOLOGIST IS HERE !!
OH...
HELLO ...


I'VE GOT HIM ON 100% O2, BUT HIS SATS AREN'T GOING UP AT ALL!!
THE PATIENT IS A ONE-YEAR-OLD WITH A CLEFT PALATE, BUT I'M NOT SURE WHAT TO DO EITHER...
I'M A DERMATO-LOGIST, SO THIS IS A LITTLE OUTSIDE MY SPECIALTY ...
UM ...

A ONE-YEAR-OLD !?
..HE'S SO TINY ...
WITH A CLEFT PALATE !?


DOCTOR !!
PLEASE !!
END OF CHAPTER 23

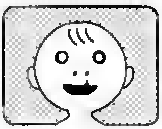
IT LOOKS LIKE HE UNDERWENT SURGERY TO CLOSE HIS CLEFT PALATE WHEN HE WAS FOUR MONTHS OLD...
UM,
HIS LIP ISN'T SPLIT...
A LABIAL CLEFT PALATE?
BUT HE LOOKS SO NORMAL...



A "LABIAL CLEFT PALATE", ALSO CALLED A "TRIPLE LIP" OR "RABBIT LIP" IN JAPAN, IS A DEFORMITY IN WHICH AN INFANT IS BORN WITH AN OPENING LEFT OVER FROM WHERE PART OF HIS UPPER LIP AND THE ROOF OF HIS MOUTH NEVER COMPLETELY CLOSED UP.

THEY ARE COMPARATIVELY COMMON IN JAPAN, AT ABOUT ONE IN EVERY 500-700 BIRTHS, AND IN RECENT YEARS THERE HAVE BEEN LARGE-SCALE IMPROVEMENTS IN MEDICAL TREATMENT, AS WELL AS INCREASED SUPPORT FROM THE SOCIAL SECURITY SYSTEM.

PRIMARY TYPES OF CLEFT LIP


UNILATERAL INCOMPLETE

UNILATERAL COMPLETE

BILATERAL COMPLETE

HE HAS A FAINT SCAR FROM THE SUTURES.
CORRECTIVE SURGERIES HAVE IMPROVED LATELY TO THE POINT WHERE THEY'RE SO NEAT, YOU CAN BARELY TELL.

CHAPTER 24

CODE BLUE, PART 2

BRING ME AN AMBU BAG AND A MASK!!
B-BY THE WAY, HE WAS APPARENTLY FITTED WITH A HOTZ-TYPE PLATE FOR HIS CLEFT PALATE!
WELL, WE HAVE TO GET THIS KID'S SATURATION* UP, FIRST THING...
WE CAN GET INTO THE DETAILS AFTER THAT...
YES, MA'AM!

CHAPTER 24

CODE BLUE, PART 2

*DEGREE OF OXYGEN SATURATION OF ARTERIAL BLOOD

FOR A MINUTE THERE, I WAS WORRIED ABOUT HIM BEING SUCH A YOUNG CHILD, BUT... I'VE DONE ANESTHESIA FOR CLEFT PALATE SURGERIES AT LEAST TEN TIMES...
TILT
THE OXYGEN IS FLOWING, YES?
SHIFT
BUT... WHY DID HE GO INTO RESPIRATORY DISTRESS...?
ANESTHESI-OLOGISTS REALLY DO HAVE A DIFFERENT TOUCH !!
HAHA
WELL, IF YOU WANT MOCHI, GO TO A MOCHI SHOP, AS THEY SAY!!
SO EVEN I OUGHT TO DO ALL RIGHT ...
WOW ...
YOU'RE REALLY GOOD !

WHY'D I HAVE TO GET CALLED BACK THE MINUTE I MADE IT TO MY OWN FRONT DOOR!?
BAM!
GAHHH!!
I CAN'T TAKE IT ANY MORE!!
ウウウ
WOOOO
OH, GREAT,
I WONDER IF ITSUKI GOT HERE BEFORE I DID?
THE LIGHTS ARE STILL ON IN THE BREAK ROOM, TOO!
DEE DOO
DEE DOO
ITSUKI!! IS THAT YOU!?
HEY!! ISN'T ANYBODY THERE?
STOMP
ずん
ARE THE PAPERS HERE YET?
AT LEAST ANSWER ME!!
ずん
STOMP
ずん
STOMP
ITSU-KI !!

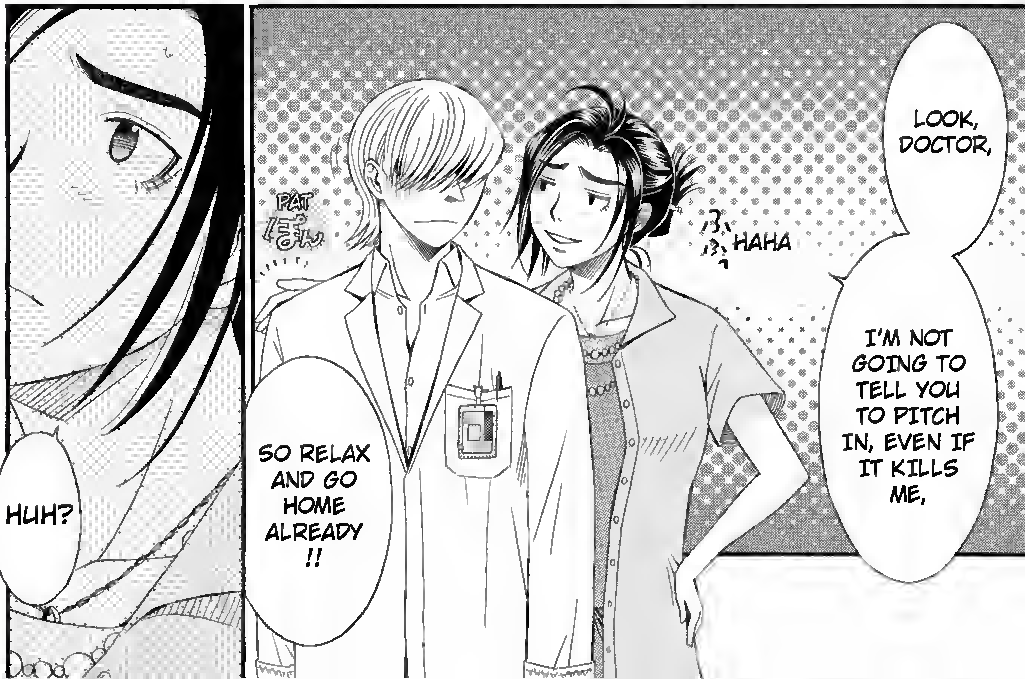
...
...AH!
...

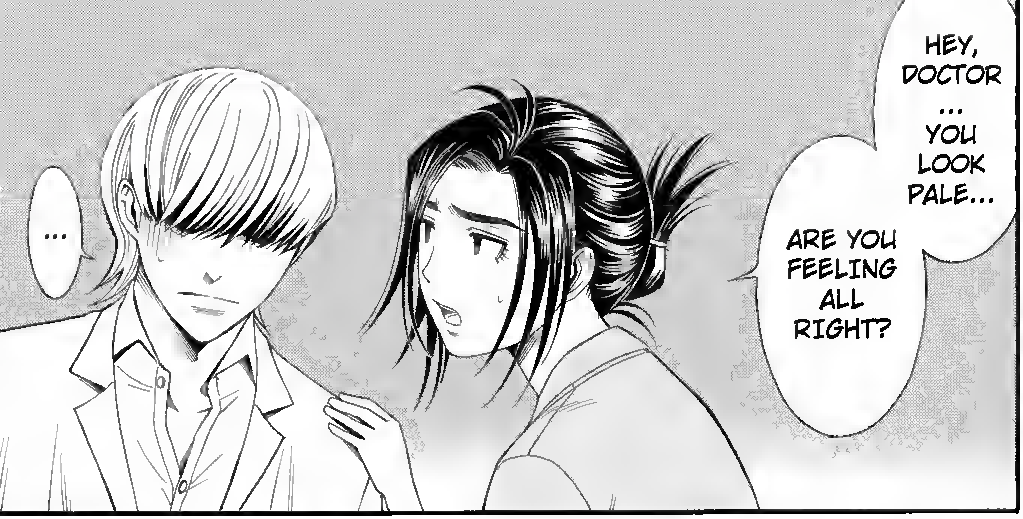
...
DOCTOR ...
KOBAYA-KAWA...
GEEZ!
WHAT ARE YOU DOING JUST STANDING THERE IN A PLACE LIKE THAT!? YOU SCARED ME!
...
ASA-NOME ...
IS THERE AN EMER-GENCY ...?

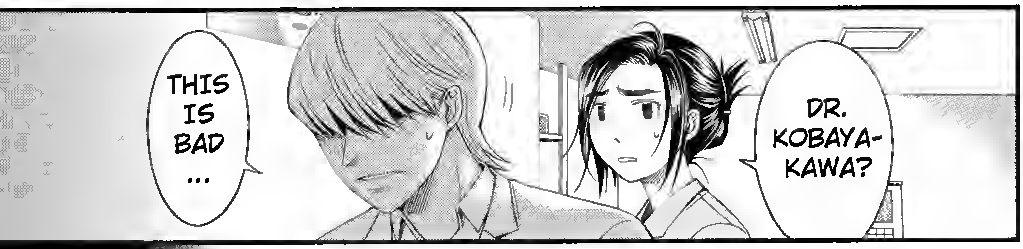
...YEAH... THE USUAL SPECIAL-TIES...
OBSTETRICS AND NEURO-SURGERY!!
...I WISH I'D GONE TO CHECK ON THEM BEFORE I LEFT...
AND THINGS SEEM WEIRD IN TRAUMA, TOO...
THE WARD SHOULDN'T BE HUMMING LIKE THAT AT THIS TIME OF NIGHT ...

CLIP パチン
ITSUKI SHOULD BE HERE SOON, TOO...
HMPH... WELL, I'VE GOTTEN USED TO IT SINCE STARTING TERTIARY CARE...
... IS IT REALLY ...

I'M BARELY FIT TO BE A SUPERVISORY ANESTHESIOL-OGIST HERE, HUH...
YOU KNOW, EVEN IF THE EMERGENCIES ARE PILING UP, I REALLY OUGHT TO BE ABLE TO HANDLE THIS MUCH WITHOUT ANY TROUBLE.


HUH?
PAT ぽん
SO RELAX AND GO HOME ALREADY !!
HAHA
LOOK, DOCTOR,
I'M NOT GOING TO TELL YOU TO PITCH IN, EVEN IF IT KILLS ME,


HEY, DOCTOR ... YOU LOOK PALE...
ARE YOU FEELING ALL RIGHT?
...


DR. KOBAYA-KAWA?
THIS IS BAD ...

THE DAYTIME IS ONE THING, BUT IN THE MIDDLE OF THE NIGHT-SHIFT, WITH EMERGEN-CIES PILING UP...
...
THERE MIGHT NOT BE ANYONE TO GO AND HELP HANAOKA ...
THAT DAY...

I WAS COMPLETELY ON MY OWN...
SO I HAD TO MAKE ALL THE JUDGMENT CALLS MYSELF, AND I HAD NO CHOICE BUT TO DO MY BEST TO PULL THROUGH SOMEHOW ...
BEEEEEP
BEEP
BEEP
BEEP
DOCTOR !!
HIS SATURATION IS DROPPING AGAIN!!
BUT WHY !?
HIC
HIC
WHY IS HIS RESPIRATION PARADOXICAL !?
HIS LOWER JAW IS ELEVATED AND HIS AIRWAY SHOULD BE SECURED!

I'VE BEEN TOLD SO MANY TIMES HOW NICE IT MUST BE, AS AN ANESTHESIOLOGIST, TO WORK ALONE...
HUH ?
DOCTOR!! THERE'S SOMETHING IN THIS CHILD'S MOUTH!!
THAT MAY BE TRUE, BUT...
WHAT ...
IS THAT ...
BUT THE PRICE WE PAY IN RETURN ...
BEEP
DOCTOR ...
IS JUST TOO HIGH ...

NO MATTER HOW YOU LOOK AT IT, THE FAULT HERE
WAS WITH THE ANESTHESI-OLOGIST, WASN'T IT?
ICU
...
...I'LL DO...THE WEANING AND POST-OPERATIVE MANAGE-MENT...
ALL... BY MYSELF, SO...
ISN'T THAT A GIVEN, DOCTOR ?

WE HEART SURGEONS ARE THE VICTIMS HERE, AREN'T WE?
... ASA-NOME ...
ARE YOU... REALLY ALL RIGHT ALONE ?
... HUH ?

I...
I'M...!! WHATEVER ELSE HAPPENS, I'M STILL A SKILLED PROFESSIONAL!!
DON'T GET STUPID WITH ME JUST BECAUSE YOU HAD A FEW SKILLS OF YOUR OWN BACK IN THE DAY!!
WHA...

...HEY... WHAT ARE YOU TALKING ABOUT, DOCTOR...?
HM?

I'M NOT SO SOFT THAT I NEED A USELESS DO-NOTHING LIKE YOU WORRYING ABOUT ME!!
NO...
STOMP
STOMP
STOMP
STOMP
ASA-NOME... THAT'S NOT WHAT I...

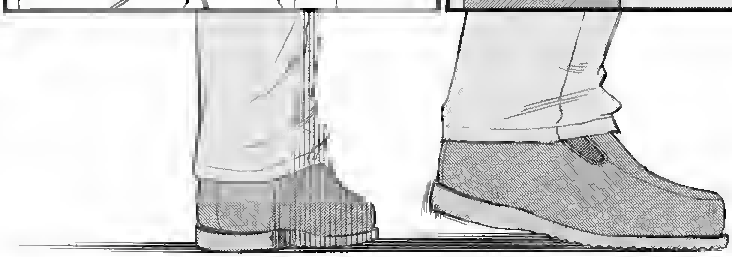
IF YOU'VE GOT THE TIME TO ACT THIS UNLIKE YOU, GO THE HELL HOME!
OKAY, OKAY...

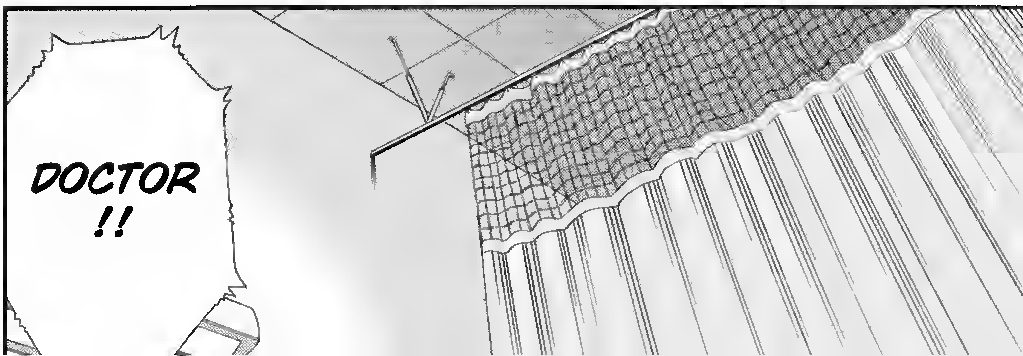
I DON'T DO ANYTHING ANYMORE ...
I CAN'T DO ANYTHING ...
...THE WOMEN AROUND HERE ARE SO...
GOOD LORD ...
SIGH
USELESS!!
COWARD!!
BUT... THEY'VE GOT A POINT !!
...
AH!
DOCTOR !!
... GOOD -BYE ...
IF I CAN'T DO EVEN THAT MUCH ...
VVEEE
GAH...!
ARE YOU GOING HOME IN YOUR WHITE COAT?
BUT,
IF I QUIT ANES-THESI-OLOGY ...
IT FEELS LIKE TIME WILL STOP,
AND I'LL BE TRAPPED IN THAT MOMENT FOREVER ...

PLEASE, PAY MORE ATTENTION ...
THIS ISN'T LIKE YOU, DOCTOR ...
HEH ...
THANK YOU ...
... NOT LIKE ME ?

...
5F

5F
PEDIATRICS WARD


NOT... LIKE ME, HUH ...?


DOCTOR !!

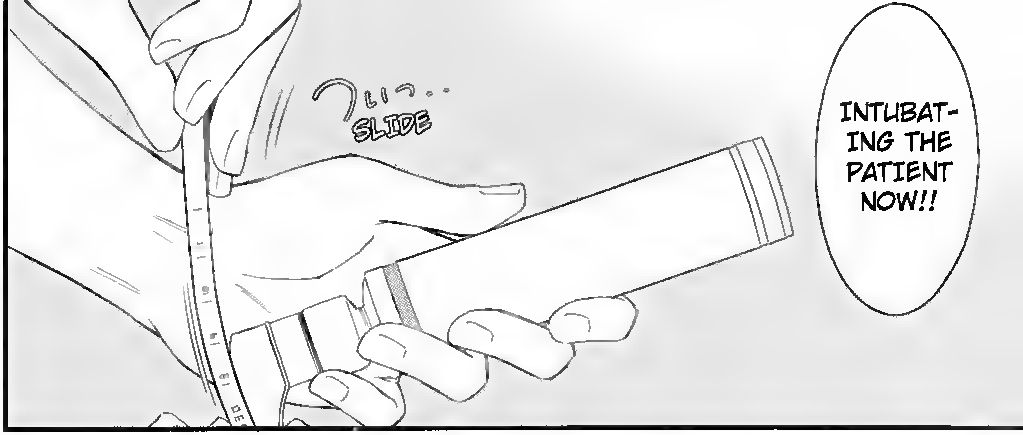
THIS IS A HOTZ-TYPE PLATE !!
...A HOTZ-TYPE PLATE ?
IT'S A PLASTIC PLATE MEANT TO FILL A SPLIT IN THE UPPER JAW FROM A CLEFT PALATE!!
BUT THIS ONE DOESN'T FIT THE HOLE IN THE UPPER JAW ANY MORE!
SO IT'S DISLODGED AND COME OUT!!
DOCTOR!! HIS HEART RATE IS DROPPING, AS WELL!! WHAT SHOULD WE DO!?
...!
THAT'S EASY FOR THEM TO ASK, BUT...
NOW THAT I THINK ABOUT IT, I'VE... NEVER DECIDED SOMETHING COMPLETELY BY MYSELF, AS A DOCTOR, IN A SITUATION LIKE THIS BEFORE!
WAIT ...
WAIT JUST A SECOND ...
THERE HAVE ALWAYS BEEN SUPERVISING PHYSICIANS IN THE OPERATING ROOM WHO COULD STEP IN TO FILL THE GAP AS SOON AS I CALLED...
WHEN I WAS IN TROUBLE, THEY WERE ALWAYS ...

INTUBATE HIM AND SECURE THE AIRWAY!!
DOCTOR!!
I HEARD MOST OF THE SITUATION JUST NOW!!
...AH
DR. KOBAYAKAWA?
NO WAY...!!
THERE'S PROBABLY BEEN A SUDDEN CHANGE IN THE AIRWAY DUE TO THE HOTZ PLATE SLIPPING OUT!!
CLANK

IF YOU CAN SPREAD THE LARYNX WITHOUT TOUCHING THE UPPER JAW, YOU'LL BE ABLE TO SEE THE VOCAL CORDS RIGHT BELOW IT!!
CAN YOU INTUBATE HIM WHILE HE'S CONSCIOUS, HANAOKA ?
YES, SIR !
BEEP BEEP
BEEP

DOCTOR!! HE'S BRADYING DOWN!!
HUH ?
BEEEEEEEEEEEP
IT'S NO GOOD!! IF WE DON'T SPEED HIS HEART UP AGAIN RIGHT NOW, IT'LL STOP!!
AH...
HIS PULSE IS UNDER 100!!
THIS IS BAD!!
89
80
BEEEEEEEEEEEP
...THE MACINTOSH... WON'T MOVE ...?!
...!
CLICK
...WH... WHAT THE...?
I KNOW THAT!
... BUT !!
HANAOKA!! FOCUS ON INTUBATING HIM!!
IF YOU CAN JUST GET A LITTLE OXYGEN TO HIM NOW, HIS HEART SHOULD RECOVER QUICKLY!!

STAY CALM, HANAOKA!!
THE BABY'S FACE IS TURNING PALE...
OH...
...OH, NO...
LOOK CLOSELY! THE BLADE IS LODGED IN THE SPLIT IN THE UPPER JAW!!
STAY CALM...
...
CLUNK
SUCTION, PLEASE !!
... HANA-OKA, DO YOU SEE IT?
YES ...
... TUBE, PLEASE ...



*PR: PULSE RATE, SPO2: SATURATION

I'VE AUSCULTATED FOR BILATERAL BREATH SOUNDS...
ANCHORING TUBE 1 CM CLOSER TO THE NEAR SIDE...
PR 120, SPO2 100*!!
HOW ARE HIS VITALS?
DOCTOR!
HE'S BACK!!

...
...I DIDN'T REALLY DO MUCH ...
OH, GO ON ...
MY LEGS ARE STILL SHAKING ...
THINGS COULD HAVE GONE REALLY WRONG IF YOU HADN'T COME, DOCTOR!!
TRUDGE
TRUDGE
OOF ...!

FROM BEING ABLE TO STAND ALONE, BUT...
I'M STILL PRETTY GREEN AS A DOCTOR, SO I'M A LONG WAY
YEAH ...
I'LL START FROM WHAT I CAN DO, AND WORK HARD TO GET BETTER, LITTLE BY LITTLE!!
YOU REALLY RUSHED TO BE THERE FOR ME, DIDN'T YOU!
JUST KNOWING THAT REALLY GAVE ME STRENGTH !!
*ONLY ABOUT 1 US DOLLAR
100 YEN* ...
UNDERWHELMED
ビミョ
SERIOUSLY, IT MADE ME EVEN HAPPIER THAN THE TIME I FOUND 100 YEN ON THE SIDEWALK!

HUH...? WHAT!?
COULD YOU HELP ME OUT JUST A LITTLE MORE...?
...MAYBE...?
WHEN I'M IN TROUBLE ...
GRIP
SOOO ...
TUG
PHE

OHO! SUCKS TO BE YOU, THEN!!
SLIP
TRUTH IS, I STILL HAVEN'T FINISHED IT, AND...
TRANSLATING THE ENGLISH READING FOR THE STUDY GROUP TOMORROW WOULD BE A PIECE OF CAKE FOR YOU, RIGHT, DOCTOR?

DO YOUR OWN HOMEWORK ALREADY !!
DOCTOR!! THIS IS A CODE BLUE FOR MEEE!!
END OF CHAPTER 24

CHAPTER 25

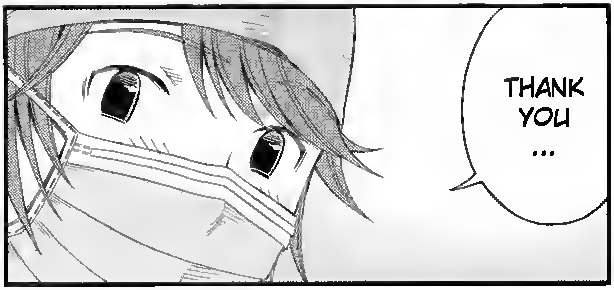
STATUS AND TALENT

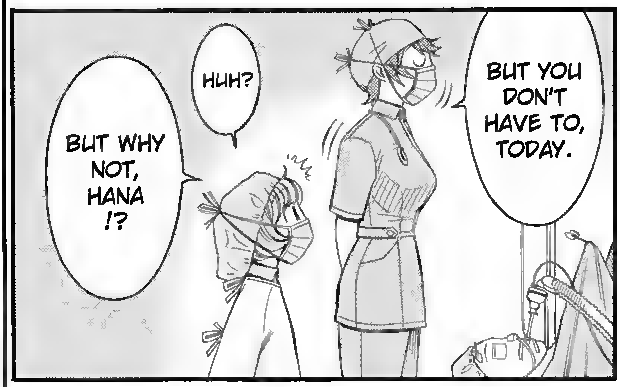
CHAPTER 25

STATUS AND TALENT

ITSUKI!
I'M HERE TO SWITCH OFF WITH YOU FOR YOUR LUNCH!
ぴょこーん
BOING
HANA...

NO... IT'S NOT THAT, BUT...
THIS OPERATION JUST GOT STARTED, AND...
JUST FOR TODAY, I DEFINITELY CAN'T HAVE ANY LUNCH!!

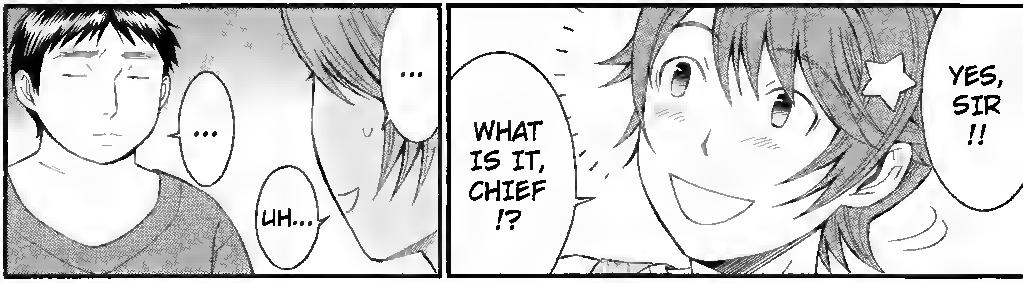

THANK YOU...

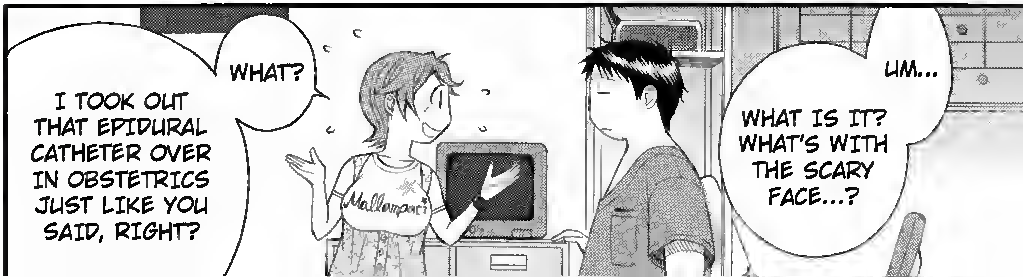

BUT YOU DON'T HAVE TO, TODAY.
HUH?
BUT WHY NOT, HANA!?

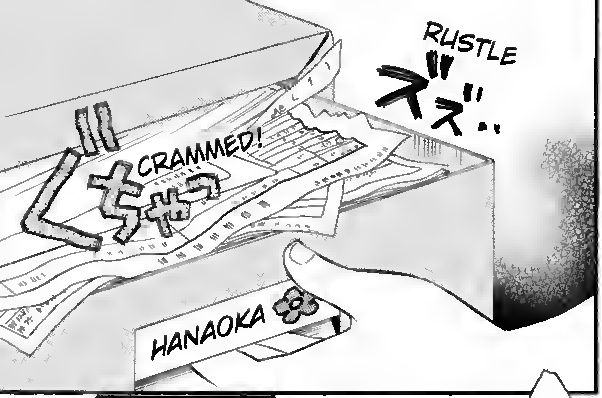
...YOU'RE NOT ON A DIET AGAAAAIN, ARE YOU?

YES!!!!
ALL-YOU-CAN-EAT KOREAN BARBEQUE!! I'VE BEEN WAITING FOR THIS!
DR. WAKAMIYA'S WELCOME PARTY~!!
CAKA, A GREAT EXCUSE TO ALL GO DRINKING!!)
BECAUSE TODAY IS...
THE EXCUSE
I DON'T MATTER AT ALL TO YOU, DO I ...?
GROWWWL
Mallampati

HANG ON,
HANA-OKA!!
HOW DID YOU GET CHANGED SO QUICKLY ...?
HEY, NOW!
WAKAMIYA, YOU'RE SO POKY!!
WE CAN'T GET STARTED WITHOUT YOU!
Mallampati


...
...
UH...
WHAT IS IT, CHIEF !?
YES, SIR !!


WHAT?
I TOOK OUT THAT EPIDURAL CATHETER OVER IN OBSTETRICS JUST LIKE YOU SAID, RIGHT?
UM...
WHAT IS IT? WHAT'S WITH THE SCARY FACE...?
Mallampati


RUSTLE
CRAMMED!
HANAOKA

!
THIS ...
OOG ...
FLUTTER
Mallampati

...OR IS IT... MONEY?! I JUST PAID MY OFFICE FEES...
AND THE PHARMACY'S SURE TO PAY TODAY, SO I DON'T HAVE TO PAY A SHARE OF DINNER, RIGHT?
OH! DID YOU FIND OUT THAT I ATE YOUR SNACK?
...
CLINK

THE DATA ENTRY FOR THE ANESTHE-SIOLOGY RECORDS ...
WE'VE GOTTEN WARNINGS FROM THE MAIN HOSPITAL ABOUT BEING THOROUGH... AND I'VE WARNED YOU AGAIN AND AGAIN...

...UM, WELL ...!!
N... NEXT TIME !!
I'LL DEFINITELY DO IT NEXT TIME, SO... PLEASE, CHIEF, JUST FOR TODAY ...!!

... HANA-OKA, WHAT DOES
"NEXT TIME" EVEN MEAN TO YOU, I WONDER ...?

EVERYONE IS WAITING, SO... CATCH UP WITH US,
WHEN YOU'VE FINISHED YOUR DATA ENTRY...
TAP TAP
... PLASTIC SURGERY, MALE,
23 YEARS OLD...
IS THE CHIEF BEING TOUGHER ON ME LATELY?
HE USED TO BE SO NICE TO ME!!
TAP TAP TAP TAP
HE DIDN'T HAVE TO PICK SUCH AWFUL TIMING TO TELL ME THIS!!
HEIGHT, 176 CM, WEIGHT, 85 KG ...
THIS IS SO MEAN!!
TAP TAP
FRACTURE OF THE RIGHT CHEEK-BONE...
TAP TAP TAP
PLATE FIXATION ...
SO MEAN !!
SO MEAN !!!
I ENDED UP ACCU-MULATING ALMOST A YEAR'S WORTH OF ANES-THESIA RECORDS, SO...
THERE MUST BE ABOUT 500 SHEETS OF UN-ENTERED DATA BY NOW...
AND IF I WORK HARD AND GET EACH SHEET DONE IN FIVE MINUTES, THAT'S 2500 MINUTES ...

2500 MIN -> ABOUT 41 HOURS -> A LITTLE LESS THAN 2 DAYS
2500 MINUTES COMES OUT TO...
...
WHO'S A MONSTER?
カラ... CLATTER
AAAHH!!
おあおあ
I'LL NEVER FINISH!!
ALMOST TWO DAYS, WITHOUT RESTING OR SLEEPING ...!?
CHIEF, YOU MONSTER !!
とっちゃり OVERFLOW
ぴっ
YLICK...
...I SEE...
THESE ...
HAHA...
I GUESS THIS IS WHY THEY SAY, "EVEN DUST CAN PILE UP INTO A MOUNTAIN..."
EVEN OFFICIAL NOTICES ...
TRAINING CERTIFI-CATES ...
UNIVER-SITY NEWS-LETTERS,
YOU'VE GOT PAY STUBS IN HERE, ACADEMIC EXPENSE FORMS,
AREN'T JUST AN-ESTHESIA RECORDS.

WELL... I'M...NOT REALLY ONE TO TALK, BUT...

YOU NEED TO SHAPE UP FAST, HANAO-KA ...

LOOK ...

WAHH!

よろ STAGGER

よろ STAGGER

HANAOKA, ARE YOU THE TYPE WHO HAD TO TEARFULLY DRAG HOME A HUGE PILE OF LUGGAGE AFTER YOUR GRADUATION CEREMONY?

BULLS-EYE, HUH?

...

HANAOKA HANAKO,

Notice of Appointment

Hanaoka Hanako

Employed as a Jinbo University assistant
Appointed as a supervisory anesthesiologist
Made a Level 4 educator
Charged with the duties of an anesthesiologist

A trial period shall remain in effect for the first 3 months, in accordance with Article 5 of the workplace regulations

April 1st 20XX

...iversity School Corporation

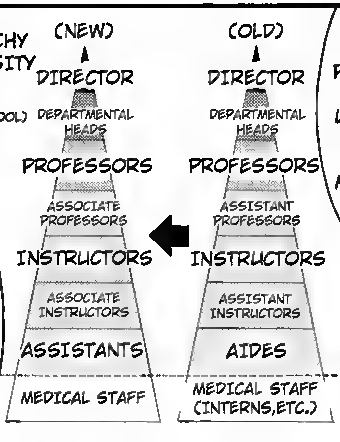
EMPLOYED AS A JINBO UNIVERSITY ASSISTANT ...

.....UH, NOT AN ASSISTANT PROFESSOR, AN *ASSISTANT* ...

NO WAY! うそっ

I'M AN ASSISTANT PROFESSOR !?

THE HIERARCHY AT A UNIVERSITY HOSPITAL (MAY VARY BY SCHOOL)



THE OFFICIAL POSITIONS AT THE UNIVERSITY ARE IN THE MIDDLE OF REFORMS,

BUT EVEN AMONG THEM, ASSISTANTS ARE AT THE VERY BOTTOM ...

!

SHOCK

ASSISTANT *PROFESSOR* !?

YOU CAN'T KEEP FEELING LIKE A GUEST FOREVER, SO
THAT'S PROBABLY WHY UZUKI IS COMING DOWN HARDER ON YOU...
STILL, YOU DO HAVE A POSITION AS AN INSTRUCTOR WITHIN THE STRUCTURE OF THE UNIVERSITY HOSPITAL,
SO YOU HAVE MORE RESPONSI-BILITIES THAN WHEN YOU WERE JUST AN INTERN...

LOOKING AT HIM LATELY, WELL... IT SEEMS PRETTY ROUGH TO BE CAUGHT BETWEEN THE BRASS AND THE RANK AND FILE...
THE TRUTH IS, I'M AN ASSISTANT TOO, SO I DON'T KNOW EXACTLY WHAT IT'S LIKE FOR THE HIGHER-UPS, BUT...

ALL RIGHT, NOW ...
BEEP
COMING UP IN THE WORLD CAN BE TOUGH ...

I WASN'T SURE HOW YOU'D TURN OUT WHEN YOU FIRST GOT HERE, BUT...
ASSOCIATE INSTRUCTOR AND THEN CHIEF BY YOUR MID-THIR-TIES, HUH?
HANAOKA HAS PROBABLY LEARNED HER LESSON BY NOW, RIGHT...?
HAHA
YOUR WAIST ISN'T THE ONLY THING HITTING THE BIG TIME AROUND HERE, HUH, UZUKI!!
... DR. HIURA ...
JUST TEA IS FINE...
OH... DOCTOR ...
HAVE SOME MORE!!
GEEZ, YOU'RE BARELY DRINKING AT ALL!!
I'M ON CALL TODAY, SO...
THUMP
WHAT A BORING GUY ...!!
SIZZLE
SIZZLE
SIZZLE

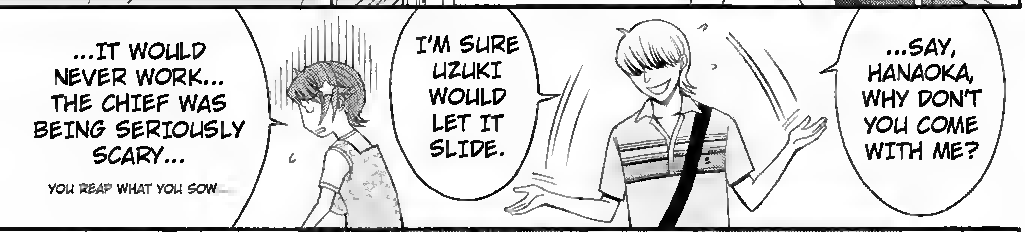
I JUST ...
GOT THIS FAR BY DOING THE USUAL THINGS...
HAHA...
BUT HEY, I'M CURIOUS... HOW DID A BORING GUY LIKE YOU
GET HIS HANDS ON THAT LITTLE POSITION, HUH...?
HIC
LET'S HEAR IT ...
UH ...
I GOT MY DOCTORATE IN 8 YEARS, WITHOUT ENTERING A SCHOOL ...
I QUALIFIED IN MY OWN WAY...
I HAVEN'T DONE ALL THAT MANY DISSERTATIONS OR PRESENTATIONS, EITHER ...
I'VE JUST BEEN WORKING HARD EVERY DAY AS AN ANESTHESIOLOGIST... AND...
AND ?
NO SUCKING UP TO THE PROFS
OR MAKING TIES WITH THE PHARMACIES
OR KEEPING YOUR TALENTED CONTEMPORARIES IN LIMBO WITHOUT GIVING THEM ANY REAL WORK UNTIL YOU CAN CRUSH THEM,
HUH?

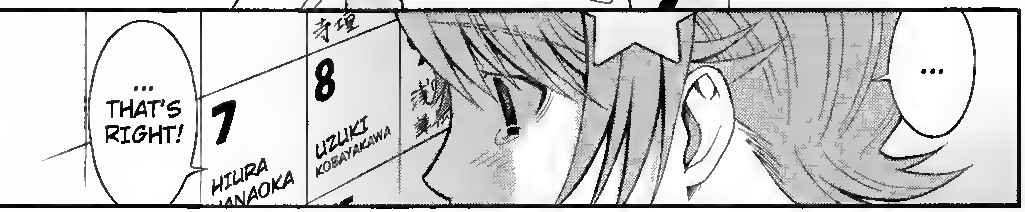
... DR. HIURA,
I-I... WOULD NEVER...
NEVER DO SUCH A THING?
WELL, THEN ...
HA...
THAT'S EVEN WORSE ...
ON MY FIRST DAY HERE,
I HAP-PENED TO MEET HIM ...
TO TELL THE TRUTH, I WAS SUR-PRISED ...

THAT HE DIDN'T RECOGNIZE ME...
MAYBE THE YEARS HAD JUST CHANGED US SO MUCH
"MEET" MIGHT NOT BE THE MOST ACCURATE WORD...
THAT'S WHAT I WANTED TO BELIEVE.
... LISTEN, UZUKI ...
IF A NO-TALENT, NO-NOTHING, EMPTY HACK LIKE YOU
WANTS TO FEEL FULFILLED BY DRESSING UP YOUR SHABBY SELF AS MUCH AS YOU CAN
WITH TITLES LIKE A DOCTORATE OR CLIMBING THE RANKS, THAT'S YOUR OWN BUSINESS...
BUT ...

I'M BEGGING YOU, DON'T SABOTAGE HIM ANY MORE THAN YOU ALREADY HAVE!!
WELL, SEE YOU LATER, HANA-OKA!
GOOD LUCK!
WHAA-AAAT!? NO WAY! YOU'RE NOT GONNA LEAVE ME HERE, ARE YOU, DOCTOR ?!
UZUKI GETS AFTER ME TOO IF I DON'T SHOW UP AT THESE THINGS... WELL, SOME-TIMES. ♫
IT WAS THE BBQ JOINT BY THE STATION, RIGHT?
YOU MON-STER !!

WELL, THAT WAS AWFULLY SPECIFIC ...
LEAVING YOUR CUTE LITTLE UNDERLING ALL ALONE IN A COLD ROOM WHILE YOU KEEP ALL THE SALTED TONGUE AND KOREAN-STYLE RIBS AND SPECIAL TRIPE SETS AND SPICY SPROUT-AND-RICE SOUP!
YOU AND THE CHIEF ARE BOTH HORRIBLE, DOCTOR!!


...IT WOULD NEVER WORK... THE CHIEF WAS BEING SERIOUSLY SCARY...
YOU REAP WHAT YOU SOW...
I'M SURE UZUKI WOULD LET IT SLIDE.
...SAY, HANAOKA, WHY DON'T YOU COME WITH ME?


... THAT'S RIGHT!
7
HIURA HANAOKA
8
UZUKI KOBAYAKAWA
...

... HEY, HEY ... HANAOKA ...
DON'T EVEN JOKE ABOUT SOME-THING LIKE THAT, OKAY?
WHO'S THE REAL MONSTER HERE...?
THE RUMOR IS THAT YOU'RE A "SUMMONER", BUT THAT WOULDN'T BE MUCH OF A PRANK...
CLUNK

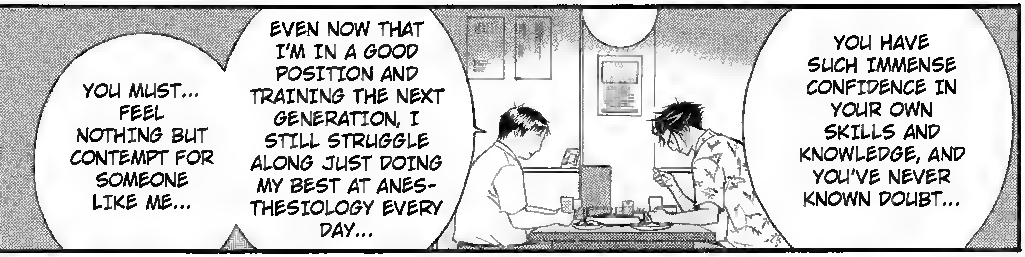
MAYBE THERE'LL BE AN EMERGENCY SURGERY!!
...THEN THE CHIEF AND DR. KOBAYA-KAWA WOULD...
SNIFF
OR IF WE HAD A FEW IN A ROW... THEN EVERYBODY WOULD HAVE TO COME BACK...

IT'S TRUE ...
HEY, AN AUTO-MATIC DOOR!
WHEE!
THE PATIENT IS A 38-YEAR-OLD MALE...
AN M.V.A., SO HE'LL NEED A LAPAROTOMY, HEMOSTASIS, AND IRRIGATION AND DEBRIDE-MENT FOR COMPOUND FRACTURES!
WE'VE GOT TWO 18 GAUGE LINES IN MID-ELBOW AND WE'RE START-ING HIM ON A CATECHOL-AMINE THROUGH THE CV LINE... I ORDERED SOME BLOOD, AND THEY'RE GETTING IT READY...
YES, SIR !!
I THINK THEY'RE CONTACTING UZUKI, BUT THE PATIENT IS LOSING CONSCIOUS-NESS, SO IF UZUKI DOESN'T MAKE IT, WE'LL HAVE TO DO THIS OURSELVES ...OKAY!?
RING-RING
RING-RING
RING-RING
DAMN YOU, UZUKI !!

CAN YOU EVEN IMAGINE HOW I FELT WHEN I SAW HOW FAR HE'D FALLEN!?
HE'S DIFFERENT FROM THE REST!!
I GAVE HIM
ALL OF MY TECHNIQUES AND KNOWLEDGE !!
HE WAS ...

TRAINED BY ME TO BE THE PERFECT ANESTHESI-OLOGIST!!
... KO-BAYA-KAWA WAS

YOU NEVER CHANGE, DO YOU ...
IF YOU GAVE HIM ALL OF YOUR METHODS, OF COURSE YOU'D CALL HIM
"PERFECT."
THE PERFECT ... ANESTHE-SIOLO-GIST...?


YOU MUST... FEEL NOTHING BUT CONTEMPT FOR SOMEONE LIKE ME...
EVEN NOW THAT I'M IN A GOOD POSITION AND TRAINING THE NEXT GENERATION, I STILL STRUGGLE ALONG JUST DOING MY BEST AT ANES-THESIOLOGY EVERY DAY...
YOU HAVE SUCH IMMENSE CONFIDENCE IN YOUR OWN SKILLS AND KNOWLEDGE, AND YOU'VE NEVER KNOWN DOUBT...

BUT ...
EVEN THOUGH I'M ENTRUSTED WITH OTHERS' LIVES, I'M STILL ONLY HUMAN...

KOBAY-
AKAWA
...
IS ONLY HUMAN, TOO...

FROM THE DAY HE ARRIVED AT THE MAIN HOSPITAL, HE COULD DO ANYTHING, SO HE WAS SET MORE AND MORE DIFFICULT TASKS,
PULLED HIGHER AND HIGHER BY YOU, HIS MENTOR, WITHOUT REGARD FOR ANY FEAR OF BEARING OTHER'S LIVES ON HIS SHOULDERS, UNTIL...
WELL, YOU KNOW PERFECTLY WELL WHAT HAPPENED TO HIM, DOCTOR...

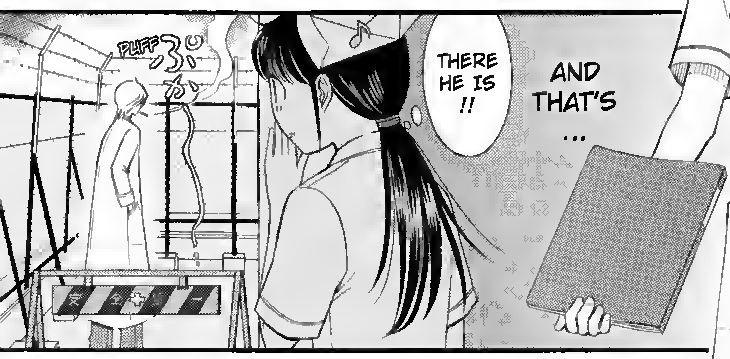
HE CAN'T GO THROUGH THAT AGAIN ...
THAT'S WHY I'M PROTECT-ING HIM FROM THIS "LITTLE PO-SITION" OF MINE...
SO THAT HE WON'T BE HURT BY ANES-THESIA AGAIN...
END OF CHAPTER 25

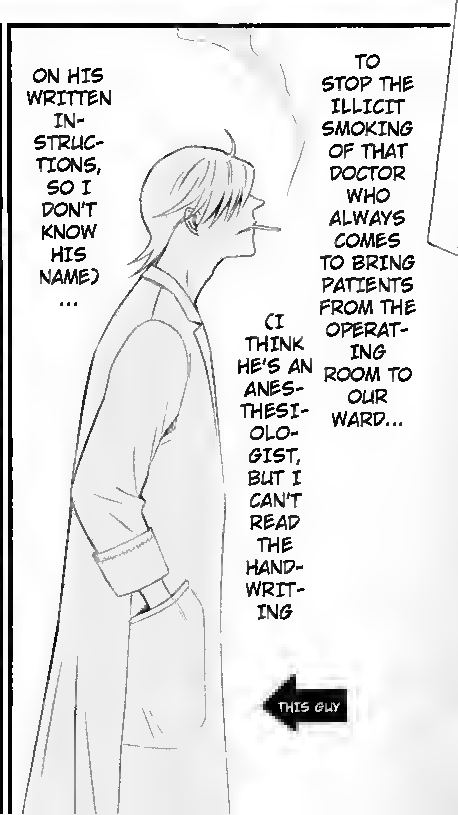
SPECIAL CHAPTER

MY MISSION

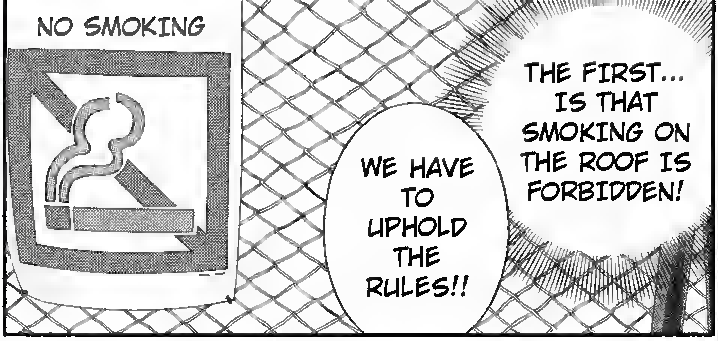
USAMI UTAKO, MATERNITY WARD NURSE.

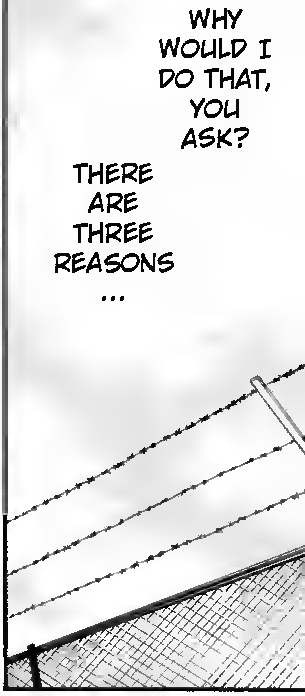
I HAVE AN IMPORTANT MISSION ...

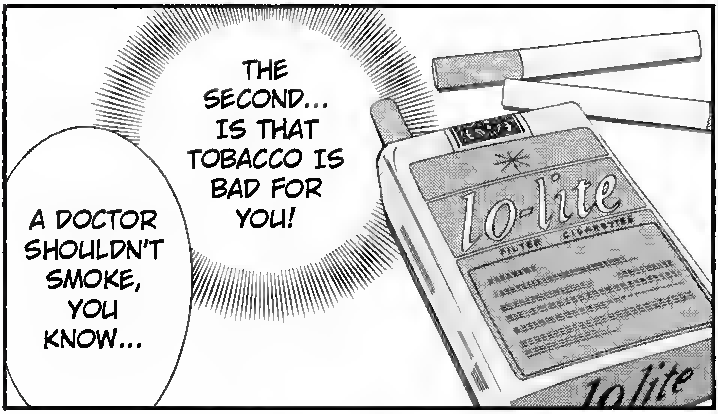



ON HIS WRITTEN IN-STRUC-TIONS, SO I DON'T KNOW HIS NAME) ...
(I THINK HE'S AN ANES-THESI-OLO-GIST, BUT I CAN'T READ THE HAND-WRIT-ING
TO STOP THE ILLICIT SMOKING OF THAT DOCTOR WHO ALWAYS COMES TO BRING PATIENTS FROM THE OPERAT-ING ROOM TO OUR WARD...
THIS GUY

HER NURSE CAP ETC. ARE ALL OLD-SCHOOL...


NO SMOKING
WE HAVE TO UPHOLD THE RULES!!
THE FIRST... IS THAT SMOKING ON THE ROOF IS FORBIDDEN!


WHY WOULD I DO THAT, YOU ASK?
THERE ARE THREE REASONS ...


A DOCTOR SHOULDN'T SMOKE, YOU KNOW...
THE SECOND... IS THAT TOBACCO IS BAD FOR YOU!
lo-lite
FILTER CIGARETTES
lo-lite

AND THE THIRD... IS THAT WE AREN'T SUPPOSED TO SKIP OUT ON WORK!!
ISN'T HE ON DUTY? ...WELL, I AM TOO, BUT...

THE TRUTH IS, I HAVE A FOURTH REASON, TOO...
AND ...

I CAN'T TELL THIS TO ANY-BODY, BUT ...
SPARKLE
HE LOOKS SUPER HANDSOME WHEN HE'S SMOKING ...
DOCTOR !!
200% HOTTER
BLUSH
...

NOT YOU AGAIN !!
WHOA !
AND I DON'T WANT ANYBODY ELSE TO SEE THAT! ♥
YOU'RE NOT ALLOWED TO SMOKE UP HERE!!
...WELL, LIKE THEY ALWAYS SAY, THERE'S NO ACCOUNTING FOR TASTE ...
...THE HELL IS THIS...?
WAIT !!
MAN, GIVE IT A REST ALREADY...!

...AND SO UTAKO'S MISSION CONTINUED, AND KOBAYAKAWA GOT HEALTHIER...OR NOT... END OF SPECIAL CHAPTER

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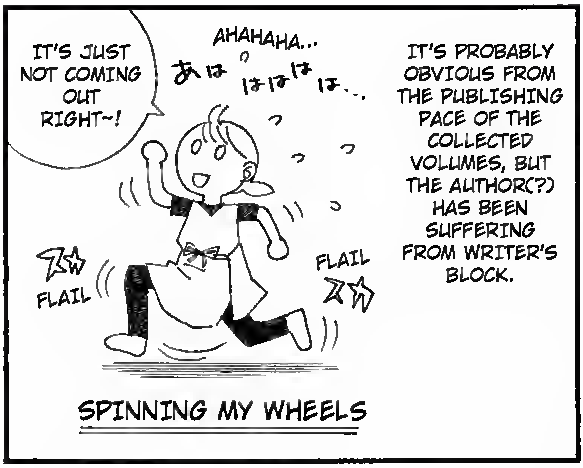
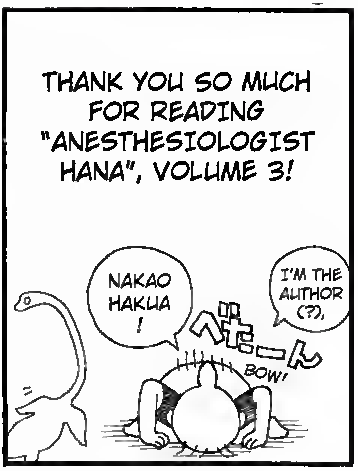
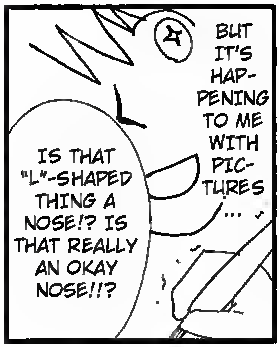
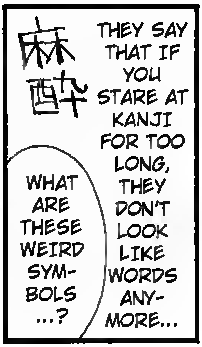
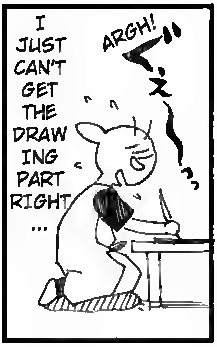
NOVEMBER 16TH 2010 ISSUE,
JANUARY 4TH 2011 ISSUE-JANUARY 18TH 2011 ISSUE,
MARCH 1ST 2011 ISSUE

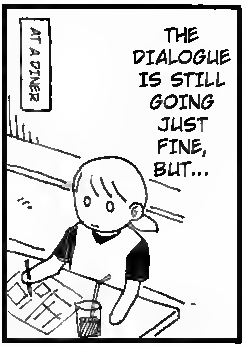

IT'S JUST NOT COMING OUT RIGHT~!
AHAHAHA...
あはははは...
FLAIL
FLAIL
IT'S PROBABLY OBVIOUS FROM THE PUBLISHING PACE OF THE COLLECTED VOLUMES, BUT THE AUTHOR(?) HAS BEEN SUFFERING FROM WRITER'S BLOCK.
SPINNING MY WHEELS

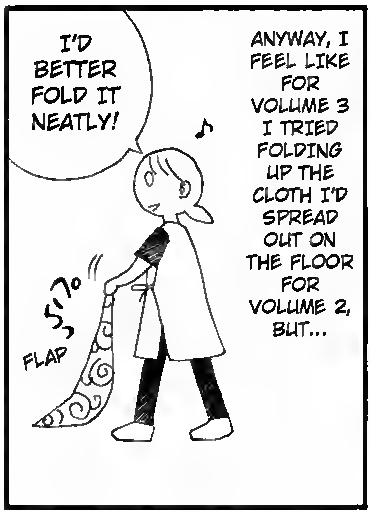


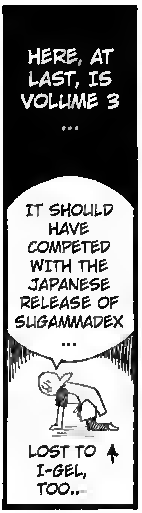


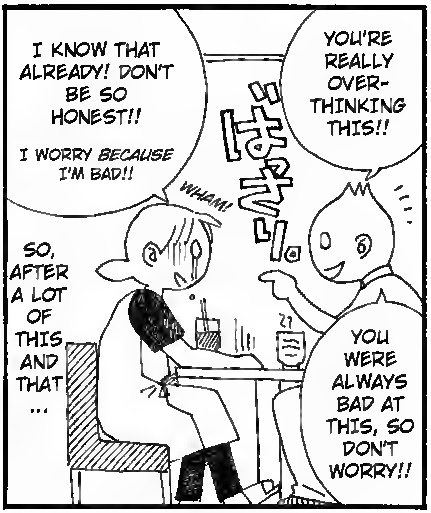







I'D BETTER FOLD IT NEATLY!
FLAP
ANYWAY, I FEEL LIKE FOR VOLUME 3 I TRIED FOLDING UP THE CLOTH I'D SPREAD OUT ON THE FLOOR FOR VOLUME 2, BUT...




I KNOW THAT ALREADY! DON'T BE SO HONEST!!
I WORRY BECAUSE I'M BAD!!
WHAAA!
はぁぁ!!
YOU'RE REALLY OVERTHINKING THIS!!
SO, AFTER A LOT OF THIS AND THAT ...
YOU WERE ALWAYS BAD AT THIS, SO DON'T WORRY!!

*SUGAMMADEX: A SELECTIVE RELAXANT BINDING AGENT (SRBA)

Special thanks

I'M ALWAYS GRATEFUL TO...

SUPERVISOR	DR. MATSUMOTO ANESTHESIOLOGIST
SOURCE OF INFORMATION	DR. Y ANESTHESIOLOGIST
SOURCE OF INFORMATION	DR. N ANESTHESIOLOGIST
SOURCE OF INFO & PHOTOS	DR. S CARDIOLOGIST
SOURCE OF INFORMATION	DR. S.P. ANESTHESIOLOGIST
SOURCE OF INFORMATION	DR. S SURGEON
SOURCE OF INFORMATION	MS. M NURSE
SOURCE OF INFORMATION	DR. N ANESTHESIOLOGIST
TONE AND BACKGROUND ASSISTANCE	MR. G
CHIEF	MR. K

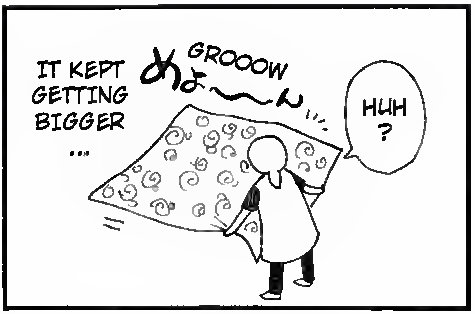
TO ALL THE OTHER HOSPITAL STAFF, THE BOOKSELLERS, THE PEOPLE WHO WROTE ME LETTERS, THE PROFESSORS WHO LET ME USE THEIR IMAGES, MY BUSINESS PARTNERS, FAMILY, FRIENDS, AND READERS!

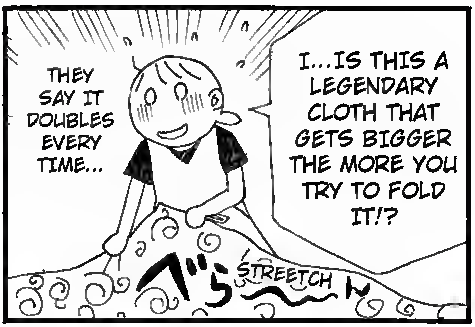
THANK YOU VERY MUCH!

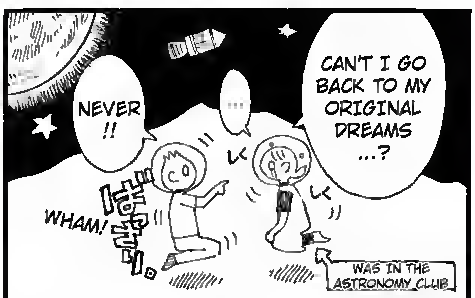
WARNING

THIS MANGA IS SET AROUND THE END OF THE 20TH CENTURY, AND MOST TOOLS AND RESOURCES ARE OF THAT PERIOD, BUT SOME ARE ALSO ANACHRONISTIC. MANGA ARE NO FUN IF THINGS ARE TOO EASY, SO I'VE CHANGED THEM A BIT. REAL ANESTHESIOLOGISTS ARE FAR SUPERIOR TO THE MAIN CHARACTER OF THIS MANGA, AND THE FIELD OF ANESTHESIA IS ADVANCING RAPIDLY, SO PLEASE DON'T WORRY.
KIDS, DON'T TRY TO INSERT AN ALINE IN ONE SHOT AT HOME! TRY IT NORMALLY FIRST.

DOCTORS USED TO SMOKE A LOT, ACTUALLY.







FOR NOW, I THINK I'D LIKE TO LEAVE THAT CLOTH SPREAD OUT IN FRONT OF ME AND STRUGGLE ON, KEEPING THE DAYS WHEN I RACED DARINGLY AHEAD AND THOUGHT, "WHAT'S A FEW BOOBS AS LONG AS I GET TO DRAW ANESTHESIOLOGY, HUH?!" CLOSE TO MY HEART AS INSPIRATION.

...MAYBE...DEFINITELY...

Risky to change. Riskier not to change.
-JOHN YOUNG, ASTRONAUT

(ON TO VOLUME 4! HOPEFULLY WITH MORE ENERGY...)

RECENTLY, I ~~NABBED~~ RECEIVED A GUEST COMIC MANUSCRIPT FROM NOGIZAKA TARO, THE AUTHOR OF "TEAM MEDICAL DRAGON", STARRING THE GENIUS CARDIAC SURGEON, ASADA RYUTARO!

MY MANGA IS ABOUT ANESTHESIOLOGY BECAUSE I PERSONALLY LOVE IT, SO HE DREW ME A GUEST COMIC ABOUT THE SUPER-ENERGETIC GENIUS ANESTHESIOLOGIST, DR. ARASE MONJI!!

MR. NOGIZAKA HAS BEEN VERY BUSY LATELY WITH HIS NEW SERIES, SO I JUST WANTED TO SAY, THANK YOU SO MUUCH!!

IF YOU HAVEN'T READ "TEAM MEDICAL DRAGON", CLOSE THIS BOOK AND GO TO A BOOKSTORE RIGHT NOW!!

MR. NOGIZAKA'S GUEST COMIC IS THIS WAY!

YOU MIGHT DIE OF THAT NOSEBLEED FIRST...

I TRIED DRAWING ASADA, BUT—

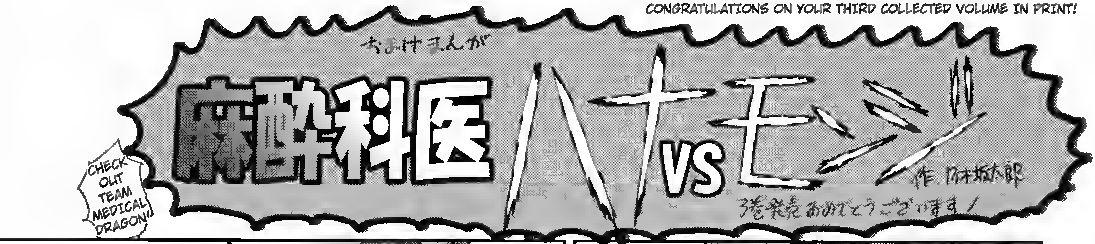
WOOOW! I WANT TO GET REALLY GOOD AT CARDIAC ANESTHESIA SO I CAN SPEND SOME TIME IN DR. ASADA'S OPERATING ROOM...!

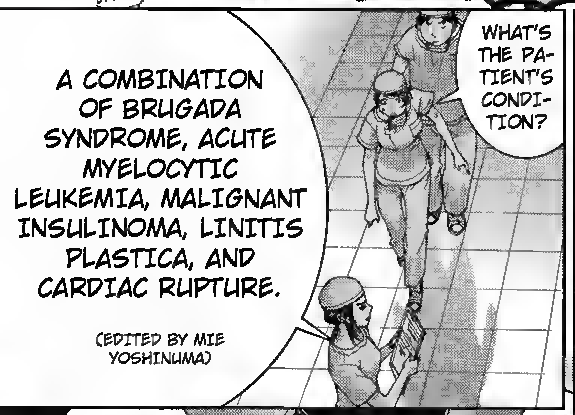
GUSH

GUSH

BONUS COMIC: "ANESTHESIOLOGIST HANA VS. MONJI!" BY TARO NOGIZAKA

CONGRATULATIONS ON YOUR THIRD COLLECTED VOLUME IN PRINT!




WHAT'S THE PATIENT'S CONDITION?
A COMBINATION OF BRUGADA SYNDROME, ACUTE MYELOCYTIC LEUKEMIA, MALIGNANT INSULINOMA, LINITIS PLASTICA, AND CARDIAC RUPTURE.
(EDITED BY MIE YOSHINUMA)

THE SELF-PROCLAIMED BEST ANESTHESIOLOGIST IN THE WORLD, ARASE MONJI!
THE PROBLEM CHILD OF MEISHIN UNIVERSITY!
AND ONLY SELF-PROCLAIMED...

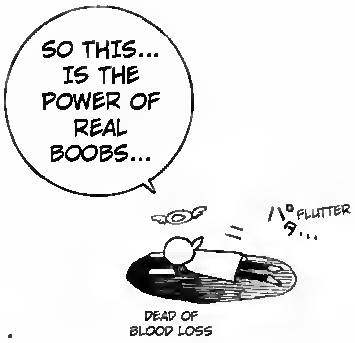
YOU'RE THE PATIENT ?!
NOD
GULP
WANT TO HEAR THE BASIS FOR MY DIAGNOSIS ...?
IF I GO THERE, THEY'LL FIND OUT ALL THE SECRETS OF MY BODY AND TELL EVERYBODY THAT MY ---- IS ----, AND LAUGH AT ME!!
I'D DIE OF EMBARRASSMENT!
THEY'RE ALL REALLY MEAN!
WHY NOT GET EXAMINED AT MEISHIN UNIVERSITY?
IS HE AN AMATEUR ?
LATELY MY STOMACH HURTS AFTER JUST 3 BOWLS OF RAMEN, AND I DRINK A LOT, AND MY HEART POUNDS WHEN I SEE PRETTY GIRLS, AND MY GUMS BLEED... AND, AND, I GOT SCARED LOOKING THROUGH FAMILY MEDICINE BOOKS...
WELL, YOU CAN'T ALWAYS JUDGE A BOOK BY ITS COVER, I GUESS...
I, WHO NEVER DID A THING THAT DIDN'T DESERVE PUNISHMENT...
HA HA HA
...BUT MAYBE IT'S ONLY FITTING THAT I SHOULD DIE...
I'M SCARED, I'M SCARED! OPERATE ON ME, QUICK, QUICK, QUICK!
I'LL DIE FOR SURE IF I DON'T HAVE SURGERY!
CUT ME, CUT ME!
HE JUST LET HIMSELF IN...
IT SMELLS LIKE BOOZE
WHO LET THAT THING INSIDE?

HEY, YOU LITTLE FATSO!
YOU'RE GETTING IN THE WAY!
GO HOME!
OH, THIS GUY'S GRIM ...
WHAT'S WRONG, BUDDY?
DID YOU KILL SOME-BODY?
ARE YOU A MURDERER?
HURK!
TELL ME!

GET OUT!
?
!!
HEY, 'SCUSE ME, TALL GUY...
I'M SORRY I TOLD EVERYBODY I SAW YOUR ???? DURING SURGERY!
I FIGURED I WAS DYING ANYWAY AND MY TONGUE SLIPPED! I'LL SEND YOU A GROSS OF CHOCOLATE BALLS, SO PLEASE FORGIVE ME!!
WHY ARE YOU HERE?

I THINK HE'S CONFUSED YOU FOR SOMEBODY ELSE...
IS THERE ANOTHER DOCTOR OUT THERE AS STRONG AS ME...?
AND HOW EXACTLY IS THIS GUY THE "WORLD'S BEST"?
GLEAM
HANA-CHAN, YOU WEIGH 48.2 KG WITH 23% BODY FAT!
BA DUM!
ITSUKI-CHAN, 48 KG AND 24% !!
ASANOME-CHAN, 47.5 KG AND 21% BODY FAT!
GASP!
JUST LIKE ON TV... HAHAHA
HAHA, DON'T UNDER-ESTI-MATE ME!
I CAN FIGURE OUT VITAL DATA FOR ANES-THESIA AT A SINGLE GLANCE!

YOU'RE ALL AS GOOD AS NAKED !!
YOU'RE JUST A PERV!
NOOO!
WHAT AN IDIOT
AND DON'T COME BACK!
I-IS YOUR BELLY BUTTON SUPPOSED TO LOOK LIKE THAT?
H-HOW RUDE !!
YIKES!
HUH ?
!
EEK!
GLEAM
COULD YOU COME AND GET ME?
HEY, FOUR-EYES?
I DRANK TOO MUCH
HANA WINS!
WHE-RE AM I?
..?



MR. NOGIZAKA, THANKS FOR THE FUN, FUNNY, SEXY MANGA! ♥
YOU REALLY GAVE US A LOOK AT EVERYBODY... ♥♥ (EVEN DR. ARASE'S BUTT!) ♥ YOU NEVER SKIMP ON THE SEXINESS WHEN YOU DRAW BREASTS OR BACKSIDES!
I FEEL LIKE YOU TRANSCENDED MERE EROTICISM TO CREATE SOMETHING TRULY MOVING!
THANK YOU SO MUCH! ♥ I CAN NEVER THANK YOU ENOUGH!! ♥

"TEAM MEDICAL DRAGON" VOLUMES 1 THROUGH 25 ARE NOW ON SALE FROM SHOGAKUKAN BIG COMICS!! ♥

IT'S THE MOVING STORY OF A CARDIOSURGICAL TEAM THAT INCLUDES AN ANESTHESIOLOGIST!
IF YOU HAVEN'T READ IT, YOU SHOULD!

マヌエルアントニオ

パイパーウォリアーⅢはパパス空港から自慢のピストントレイナーエンジン１６０馬力を必死で絞り出し、ちょっと苦しそうに１００００フィートまで舞いあがる。練習機とは思えない快適さだ、遠くに霞んでるのはアレナルか。草がきれいにちょうどホイールベースの幅に刈り込まれたマヌエルアントニオの滑走路がみえる、ちょっと強引だと思いつつ機首をさげたままギリギリまでつっこんでランディング、翼に飛び降りる。ニチーナは自慢げにセボフルレンのボトルと、お子様用新作口腔内マスク「アイジェル」のサイズ１．０と、アーチーの自慢の新作麻酔用口腔内マスクＬＭＡスプリームのサイズ３．０を取り出す。夜明け前コカコーラ地区にある大学の倉庫から持ってきたらしい、ここの倉庫番のリカルドとは顔見知りでリチャードって呼ぶとかなり得意らしく自慢げに俺に任せろの乗りで結構なんでもしてくれる。局麻によるショック（なんかはっきりしないけど）を前回のお産の時起こして母子ともに危くなってかろうじてママだけ助かったって。だから全身麻酔を是非頼むってドクトル・ジョルジュに朝言われ、頼まれた。麻酔気化器がハロセン用しかない。ハロセンのそれにエンフルレンをいれると確かでてくる濃度倍くらいだったぞー、そんでセボフルレンはエンフルレンと気化圧が一緒だった気が・・・えっといいかー、濃いめのセボで許してもら

います。ママのほうは吸入麻酔薬で全身麻酔。食事はしてないよね。ＬＭＡ挿入。帝王切開開始。生まれた赤ん坊、う～む無呼吸・・・・アイジェル挿入。ジャクソンリース呼吸回路無し、酸素を僕が自分で吸ってマウストゥーマスク換気で赤子に酸素を送り込む。胸の動き（赤子わかり辛い）見ながら肺に息を吹き込みふくらます。自発呼吸開始（説明しよう！赤子は生まれてすぐの泣きで肺胞膨らむ）。20分後あかんぼ暴れるＡｐｇａｒいい感じ。アイジェル抜く。35分後帝王切開終了毋何事もなく覚める。ＬＭＡ抜く。帰りはバイバーこわれる。ロータス（ケーターハムじゃないしドンカーブートでもないしバーキンでもない）スーパーセブンをジョルジュがくれた。もう乗らないし。いやいや、乗れないんだろ。ジョルジュちょっと悲しげに笑う。ごめんね。ジョルジュは僕の父親と産婦人科の同窓生でモンペリエから来てアレクサンドル・グロタンディークと友達だったって言うんだな、この爺さん84だぜ。帝王切開執刀しちゃったし。なんで、ここに住んでるんだろう。20年前にパナマで偶然出会って再会を3日3晩テキーラで祝ったらしい。さ、帰ろう帰ろう。スーパーセブンは可哀想に僕ら二人をのせて９４８ＣＣの直列４気筒ＯＨＶを誇らしげに鳴り響かせ、草原（ー）を超低いシャーシで刈り取りながら疾走（は無理だよね）するのだ。

松本克平

ACTION COMICS

麻酔科医ハナ③

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